



CHARLOTTE-MECKLENBURG BOARD OF EDUCATION

PROCUREMENT SERVICES

4511 Monroe Road, Room 212
Charlotte, NC 28205

January 25, 2012

REQUEST FOR PROPOSAL

RFP# 163-1269

Cisco or Equivalent Network, Voice and Data Wireless LAN Equipment

Sealed Proposals subject to the conditions made a part hereof will be received until **February 23, 2012 @ 2:30 p.m., EST (Prevailing Local Time)** for furnishing services described herein.

SEND ALL PROPOSALS DIRECTLY TO THE ISSUERS ADDRESS SHOWN ABOVE.

IMPORTANT NOTE: Indicate firm, and RFP number on the front of each sealed proposal envelope or package, along with the date for receipt of proposals specified above.

Direct all inquiries concerning this RFP to: Gifford Cordova, Jr., C.P.M.
Senior Purchasing Agent
4511 Monroe Road, Room 212
Charlotte, NC 28205
980 - 343 – 6615
g.cordova@cms.k12.nc.us

NOTE: Questions concerning the specifications in this Request for Proposals will be received until **3:00 pm, February 9, 2012** by e-mailing Gifford Cordova (g.cordova@cms.k12.nc.us), CMBE Senior Purchasing Agent. Technical questions will not be accepted after this date and time. General non-technical questions will be accepted until the close of posted RFP timeline. When appropriate, responses will be posted at www.cms.k12.nc.us/erate and <http://www.ips.state.nc.us/ips/pubmain.asp>, located under the RFP # being modified.

It is the offeror's responsibility to assure that all addenda have been reviewed and, if need be, signed and returned.

OVERVIEW

Charlotte-Mecklenburg Board of Education (CMBE) is seeking proposals for Cisco or equivalent Network Data, Voice and Wireless LAN Equipment and peripherals for schools that qualify for Internal Connections funding for E-Rate Funding Year July 1, 2012 – June 30, 2013.

Partial proposals will not be considered for award. Proposals must match the exact functionality and specifications of the products listed in the RFP.

E-RATE REQUIREMENTS

Winning Offeror must understand and agree to the following E-Rate terms and conditions:

1. Offeror must be a current participant and continue to participate in the E-Rate program, and to fully cooperate with CMBE to ensure that CMBE receives all of the E-Rate funding for which it applies and to which it is entitled in connection with the Offeror's products.
2. It is anticipated that some or all of the costs associated with this proposal shall be eligible for the E-Rate discount under the Federal Communications Commission (FCC) Universal Service Provision (FCC 97-157). Accordingly, if so, and contingent upon CMBE's receipt of a funding commitment from SLD/USAC, **Offeror will be required to institute a two-tiered billing system and will be required to recover up to ninety percent (90%) of its compensation for such eligible Services directly from the Schools and Libraries Division (SLD) of the Universal Service Administration Company (USAC) in accordance with procedures established by the FCC and SLD/USAC.**

For example, if the Offeror is awarded a bid of \$500,000 for either goods or services at a group of CMBE schools at a 90% discount level, the Offeror will be required (after acceptance, testing, and approval) to seek reimbursement from the E-Rate program for the Offeror's share, 90%. CMBE will issue an initial purchase order for only its share, 10% in this example, of the bid, and will provide payment for this amount only. Refer to www.cms.k12.nc.us/erate for further clarification.

3. Offeror must submit invoices to the Schools and Libraries Division of USAC when filing for reimbursement. CMBE will receive copies of the Offeror's invoices for reconciliation purposes.
4. Offeror must submit the Service Certification form to the Schools and Libraries Division of USAC when applicable.
5. Final authorization by CMBE for the purchase of any or all goods or services, hereafter described in this document, is contingent upon the award of funding (a funding commitment decision letter) from the Schools and Libraries Division of USAC for the 2012 E-Rate Year.
6. Notification of funding may not be received until after July 1, 2012.
7. No goods or services approved for funding shall begin prior to July 1, 2012.
8. CMBE may, at its discretion, choose to cancel its offer for the purchase of any and all goods or services requested in this bid if E-Rate funding is not approved by USAC, there is a reduction in funding, there are changes in the physical structure of a school (i.e., renovations, demolitions), or for any reason.
9. Offeror shall have current E-Rate Service Provider Certifications.
10. Offeror shall have an E-Rate Service Provider Identification Number (SPIN).
11. Offeror shall have an FCC Registration Number.
12. Offeror shall itemize the cost of E-Rate eligible and ineligible items.
13. CMBE may request service substitutions following the SLD guidelines.
14. Provide CMBE with a copy of the SLD invoice with the breakdown by school.

CLARIFICATION OF PROPOSALS

1. Qualified proposals will be evaluated and acceptance made based on the best value offered to the Charlotte-Mecklenburg Schools.
2. The Charlotte-Mecklenburg Board of Education may make such reasonable investigations as deemed proper and necessary to determine the ability of the Offeror to perform the work/service proposed, and the Offeror shall furnish to the Charlotte-Mecklenburg Board of Education all such information and data for this purpose as may be requested.
3. The Charlotte-Mecklenburg Board of Education reserves the right to reject any proposal if the evidence submitted by, or investigations of, such Offeror fail to satisfy the Charlotte-Mecklenburg Board of Education that such Offeror is properly qualified to carry out the obligations of the contract and to complete the work/furnish the item(s) contemplated therein.
4. This proposal does not commit the Charlotte-Mecklenburg Board of Education to award a contract or pay costs incurred in the preparation of this proposal.
5. At their option, the evaluators may request oral presentations or discussion with any or all Offerors for the purpose of clarification or to amplify the materials presented in any part of the proposal. However, Offerors are cautioned that the evaluators are not required to request clarification; therefore, all proposals should be complete and reflect the most favorable terms available from the Offeror.
6. The Charlotte-Mecklenburg Board of Education reserves the right to accept any offer or to reject all offers with or without cause.
7. **BID EVALUATION:** Bids are requested on the items and/or equipment as hereinafter specified or like items similar in design, function and performance. The Charlotte-Mecklenburg Board of Education reserves the right to reject any bid on the basis of function, compatibility with user requirements of utility as well as costs. Bidder(s) are cautioned that any/all information furnished or not furnished on this bid may be used as a factor in determining the award of this contract.
8. **DESCRIPTIVE LITERATURE:** All bids must be accompanied by complete descriptive literature, specifications and other pertinent data necessary for their evaluation as required by the attached General Contract Terms & Conditions; otherwise, they will be subject to rejection.
9. **MAKE AND MODEL:** Manufacturer's name and model/catalog numbers used are for the purpose of Identification and to establish general quality level desired. Such references are not intended to be restrictive and comparable products of other manufacturers will be considered. However, bidders are cautioned that any deviation from specifications must be pointed out in their bid.
10. **SUITABILITY FOR INTENDED USE:** Bidders are requested to offer only comparable equipment which will provide the equivalent capabilities, features and diversity called for herein. The Charlotte-Mecklenburg Board of Education reserves the right to evaluate all proposals for suitability for the required use and to award the one best meeting requirements and thought to be in The Charlotte-Mecklenburg Board of Education's best interest.
11. **SPECIFICATIONS:** The attached specifications and requirements are drawn around equipment which The Charlotte-Mecklenburg Board of Education has evaluated and determined that the size, construction, design layout, special features and performance are necessary. Bidders are requested to offer only equivalent comparable units which will provide the features and performance needed and implied.

NOTE: Because of the differences between manufacturers in the design, materials and construction methods, The Charlotte-Mecklenburg Board of Education reserves the right to evaluate all proposals and to vary from these specifications when in its opinion, such variance is in The Charlotte-Mecklenburg Board of Education's best interest. This includes the approval of substitutions by the bidder for one item for another as being equal in construction, performance and quality. The specifications and requirements described are to indicate certain features requested by The Charlotte-Mecklenburg Board of Education and are in no way to be construed to be restrictive to eliminate any item or items.

12. **DEVIATIONS:** Any deviations from specifications and requirements herein must be clearly pointed out by bidder. Otherwise it will be considered that equipment offered is in strict compliance with these specifications and requirements, and successful bidder will be held responsible there for. Deviations must be explained in detail below or on an attached sheet. However, no implication is made by The Charlotte-Mecklenburg Board of Education that deviations will be acceptable. Bidder is advised that the response (or lack thereof) on this question does not take precedence over specific responses or nonresponses provided elsewhere in this bid.
13. **FIRM BID:** Prices and any other entry made hereon by the bidder shall be considered firm and not subject to change or withdrawal.
14. **SAMPLES:** Samples are not required prior to bid opening date; however, if required later, bidder agrees to furnish samples of items offered at no expense to The Charlotte-Mecklenburg Board of Education within 10 consecutive calendar days after request is made by The Charlotte-Mecklenburg Board of Education. Bids which do not comply with these requirements will be subject to rejection.
15. **CLEAN-UP:** Upon completion of the installation, the contractor shall remove and properly dispose of all waste and debris from the installation site. The contractor shall be responsible for leaving the installation area clean and ready to use.

CMBE OBLIGATIONS

The CMBE Information Systems & Support Department will:

1. Establish the project schedule in conjunction with winning bidder.
2. Verify receipt of all equipment and peripherals prior to installation scheduling if applicable.
3. Provide all equipment and peripherals to be installed if applicable.
4. Provide technical information and assistance for cabling infrastructure and network connectivity if applicable.
5. Provide Quality Assurance checklists and onsite visits.
6. Complete the Service Certification form(s) that must be submitted to the Schools and Libraries Division of USAC by the applicant.

OFFEROR REQUIREMENTS

Offeror must:

1. Register with CMS Vendor System for security background check and obtain a CMS ID badge.
2. Be an authorized Partner/Reseller and be accredited and certified to sell and service the hardware and software being provided.
3. Provide a current dated Distributor Support Letter verifying the contractual relationship with products they are authorized to sell as (**Submittal #1**).
4. Provide hardware and/or software which have been purchased from an authorized stocking distribution partner or from the manufacturer directly.
5. Not provide any refurbished or remarketed equipment.
6. Provide new equipment that is in the original box and has not been previously sold and/or returned.

7. Have permanent local engineering support, local presence (within 50 miles) and delivery capabilities to a designated CMBE storage location.
 8. Be able to provide pre-sales and post-sales engineering support, if needed.
 9. Provide equipment at the current manufacturers release and/or software at time of purchase.
 10. Provide warranty/replacement procedure as (**Submittal #2**). Offeror must also provide warranty replacement support to CMBE as needed.
 11. Make sure all fiber and copper cables meet the following requirements:
 - a. Be manufacturer tested and certified.
 - b. Meet TIA/EIA-568-B.2-1 Category 6 Standard.
 - c. Be ETL tested and approved for Category 6 component compliance.
 - d. All Cat 6 cables must meet TIA/EIA 568 B.2 Category 5 Standard
 12. Provide written manufacturer certification that fiber and copper cables are tested and certified. Fiber cables must be 100% optically tested and all components are 100% Corning or equivalent products.
- (Items 13 – 16 refer to Delivery Requirements)**
13. Use the CMBE Purchase Order and/or other documentation as a reference document for equipment deliveries.
 14. Deliver to any location CMBE services are offered.
 15. Deliveries must be for inside deliveries with no loading dock.
 16. Each delivery must have correct packing slips based off of the information from the Purchase Order.
- (Items 17 – 32) refer to Ordering, Shipping, Receiving, and Invoicing Requirements)**
17. Be present at a pre-order meeting at CMBE Information Systems & Support office.
 18. Provide written confirmation of receipt of CMBE Purchase Order(s).
 19. Provide written confirmation that Offeror has processed the order(s).
 20. **Notify delivery companies that there is no loading dock and MUST PROVIDE inside delivery. Any additional fees incurred for inside delivery that are not included on CMBE Purchase Order(s) are to be paid by Offeror. CMBE may refuse delivery if delivery companies cannot provide inside delivery.**
 21. E-mail CMBE order status updates.
 22. Process all shipments, including all manufacturers, to be delivered per Purchase Order.
 23. **Comply that CMBE may not accept any bulk/palletized shipments.**
 24. Confirm that all packages will contain the Purchase Order number and school name on them.
 25. Provide individual packing slips per box/component of a shipment.
 26. Not combine shipments.
 27. All equipment must have correct packing slips matching the Purchase Order.
 28. Provide all delivery tracking numbers for all shipments.
 29. Provide CMBE with the proof of delivery from the shipping company prior to invoicing.
 30. Issue individual invoices for each purchase order received.
 31. Invoices should be sent to Information Systems & Support Project Manager for verification prior to USAC submittal.
 32. The Information Systems & Support Project Manager will submit the non-discount share portion of the invoice to CMBE for payment.
 33. Comply that the invoice will match the CMBE issued purchase order exactly or payments will not be released. The invoice can show the full cost of the products as a comment section. The purchase order will reflect the CMBE portion of the E-Rate approved funding only. Please see sample: [Http://www.cms.k12.nc.us/erate](http://www.cms.k12.nc.us/erate). **THERE WILL BE NO EXCEPTIONS.**
 34. It is the Offeror's responsibility to assure that all addenda have been reviewed and, if need be, signed and returned as (**Submittal #3**).

THE CHARLOTTE-MECKLENBURG BOARD OF EDUCATION

Procurement Statement of Non-Preference

It is the intent of The Charlotte-Mecklenburg Board of Education to procure a product in the size, quality, and parameters of the following specifications. Sometimes, for facilitation of bidding/quoting procedures only, a certain manufacturer, product, or vendor will be utilized to help streamline this process. However, The Charlotte-Mecklenburg Board of Education invites and encourages all other qualified bidders to submit equivalent bids/quotes. The primary purpose is to ensure that no interested party is excluded or limited from the bidding/quoting process. All bids are evaluated equally, based on but not limited to the following criteria:

- # Prices offered
- # The quality of the equipment offered
- # The general reputation and performance capabilities of the bidders
- # The substantial conformity with the specifications and other conditions set forth in the request for bids/quotes
- # The suitability of the equipment for the intended use
- # The personal or related services needed
- # Transportation charges
- # Location and availability of service and repair facilities and personnel
- # References provided for proposed equipment
- # Demonstration of proposed equipment, if required
- # The dates of delivery and performance
- # Such other factor(s) deemed pertinent or peculiar to the purchase in question which, if controlling, shall be made a matter of record.

All bids/quotes submitted should be as closely sized, equipped, etc. to the desired specifications. Any exceptions to the specifications will be evaluated based on the best interest of The Charlotte-Mecklenburg Board of Education.

AWARD CRITERIA

While price is the major consideration, CMBE will consider other criteria in evaluating these proposals. The point values associated with the award criteria are:

Factor	Weight	Score	Notes
Price of the eligible goods or services	20		
Ease of integration into our current CMBE environment	15		
Prior E-Rate experience	15		
Prior CMBE ordering, billing and invoicing experience, including meeting all prior RFP requirements	15		
Prior CMBE shipping & delivery experience, including meeting all prior RFP requirements.	10		
Qualifications and references including school districts within North Carolina and/or manufacturers	10		
Other costs (including misc. integration &/or testing, shipping, etc.)	15		
Total	100		

**SUMMARY OF COSTS
EQUIVALENT PARTS ACCEPTED FOR BIDDING
(Submittal #4; pages 8 - 46)**

1. Provide itemized pricing per school and a summary of costs for the current CMBE environment of the Cisco products and peripherals listed below **or their equivalent**.
2. Equivalent products must meet the minimum specifications of the products listed below.
3. Pricing must include sales tax (7.25%).
4. Pricing must include shipping and delivery charges.
5. Shipping location will be determined after notification of E-Rate funding.
6. Remanufactured or Refurbished equipment will not be accepted.

Notes:

- Partial proposals will not be considered for award.

E-Rate 2012 School Needs Breakdown								
Electronics Description	Manufacturer	P/N	Estimated Quantity	Unit Cost	Total Item Cost	Shipping Charges	Sales Tax	Total Cost for part
4506-E Chassis, two WS-X4648-RJ45V+E, Sup7L-E, LAN Base OR EQUIVALENT	Cisco OR EQUIVALENT	WS-C4506E-S7L+96V+ OR EQUIVALENT	1					
Catalyst 2960S 48 GigE PoE 740W, 4 x SFP LAN Base OR EQUIVALENT	Cisco OR EQUIVALENT	WS-C2960S-48FPS-L OR EQUIVALENT	422					
Catalyst 4500 4200W AC dual input Power Supply (Data + PoE) OR EQUIVALENT	Cisco OR EQUIVALENT	PWR-C45-4200ACV/2 OR EQUIVALENT	1					
NEMA 5-15 to IEC-C19 13ft US OR EQUIVALENT	Cisco OR EQUIVALENT	CAB-US515P-C19-US OR EQUIVALENT	2					
Catalyst 4500 2GB SD Memory Card for Sup7-E OR EQUIVALENT	Cisco OR EQUIVALENT	SD-X45-2GB-E OR EQUIVALENT	1					
Catalyst 4500 E-Series 48-Port PoE+ Ready 10/100/1000(RJ45) OR EQUIVALENT	Cisco OR EQUIVALENT	WS-X4648-RJ45V+E OR EQUIVALENT	1					
Catalyst 4500 E-Series 24-Port GE (SFP) OR EQUIVALENT	Cisco OR EQUIVALENT	WS-X4624-SFP-E OR EQUIVALENT	1					
Lan Base to Enterprise Services OR EQUIVALENT	Cisco OR EQUIVALENT	L-C4500E-LB-ES OR EQUIVALENT	1					
Catalyst 2960S FlexStack Stack Module optional for LAN Base OR EQUIVALENT	Cisco OR EQUIVALENT	C2960S-STACK OR EQUIVALENT	377					
Cisco FlexStack 50cm stacking cable OR EQUIVALENT	Cisco OR EQUIVALENT	CAB-STK-E-0.5M OR EQUIVALENT	377					
GE SFP, LC connector SX transceiver OR EQUIVALENT	Cisco OR EQUIVALENT	GLC-SX-MM= OR EQUIVALENT	92					
Crossover CAT 6 7' RJ45 OR EQUIVALENT	Belkin OR EQUIVALENT	A3X189-07-YLW-5 OR EQUIVALENT	26					
ST-LC 62.5 micron 3M patch cable OR EQUIVALENT	Belkin OR EQUIVALENT	L5553MM6J7R0 03M OR EQUIVALENT	244					

LC-LC 50 micron 3M patch cable OR EQUIVALENT	Belkin OR EQUIVALENT	L3434MM5I2R0 03M OR EQUIVALENT	25					
Cat 6 7' patch cables – TEAL OR EQUIVALENT	Panduit OR EQUIVALENT	UTPSP7(TL)Y OR EQUIVALENT	7683					
Cat 6 3' patch cables – YELLOW OR EQUIVALENT	Panduit OR EQUIVALENT	UTPSP3(YL)Y OR EQUIVALENT	2369					
Cat 6 7' patch cables – YELLOW OR EQUIVALENT	Panduit OR EQUIVALENT	UTPSP7(YL)Y OR EQUIVALENT	2369					
1500 On-Line Rack UPS OR EQUIVALENT	Tripp Lite OR EQUIVALENT	SU1500RTL2U A OR EQUIVALENT	88					
3000 On-Line Rack UPS OR EQUIVALENT	Tripp Lite OR EQUIVALENT	SU3000RTL2U OR EQUIVALENT	165					
UPS Battery Pack (SU3000RTL2U) OR EQUIVALENT	Tripp Lite OR EQUIVALENT	BP72V15-2U OR EQUIVALENT	26					
2200VA On-Line Rack UPS OR EQUIVALENT	Tripp Lite OR EQUIVALENT	SU2200RTL2U a OR EQUIVALENT	9					
UPS Battery Pack (SU2200RTL2Ua) OR EQUIVALENT	Tripp Lite OR EQUIVALENT	BP48V24-2U OR EQUIVALENT	9					
2911 Voice Bundle w/PVDM3-16,FL-CME-SRST-25, UC License PAK OR EQUIVALENT	Cisco OR EQUIVALENT	C2911-CME-SRST/K9 OR EQUIVALENT	24					
2921 Voice bundle w/PVDM3-32,FL-CME-SRST-25, UC License PAK OR EQUIVALENT	Cisco OR EQUIVALENT	C2921-CME-SRST/K9 OR EQUIVALENT	10					
Four-port Voice Interface Card – FXO (Universal) supports 2911 OR EQUIVALENT	Cisco OR EQUIVALENT	VIC2-4FXO= OR EQUIVALENT	34					
Four-Port Voice Interface Card – FXS and DID, supports 2911 OR EQUIVALENT	Cisco OR EQUIVALENT	VIC3-4FXS/DID= OR EQUIVALENT	34					
Communication Manager Express or SRST – 25 seat license OR EQUIVALENT	Cisco OR EQUIVALENT	FL-CME-SRST-25 OR EQUIVALENT	22					
Communication Manager Express or SRST – 5 seat license OR EQUIVALENT	Cisco OR EQUIVALENT	FL-CME-SRST-5 OR EQUIVALENT	53					
5500 Series Wireless Controller for up to 500 access points OR EQUIVALENT	Cisco OR EQUIVALENT	AIR-CT5508-500-K9 OR EQUIVALENT	5					
802.11a/g/n Fixed Unified AP; Int Ant; A Reg Domain OR EQUIVALENT	Cisco OR EQUIVALENT	AIR-LAP1142N-A-K9 OR EQUIVALENT	2326					
802.11a/g/n Ctrlr-based AP; Ext Ant; A Reg DomainOR EQUIVALENT	Cisco OR EQUIVALENT	AIR-LAP1262N-A-K9 OR EQUIVALENT	43					
2.4 GHz 6.0 Bi Patch Wall Mount Antenna w/RP-TNC OR EQUIVALENT	Cisco OR EQUIVALENT	AIR-ANT2460P-R OR EQUIVALENT	43					

GRAND TOTALS

Equivalent specifications:

High School Head-End Core Switch

The switch is required to be a high capacity, high throughput, layer 3 routing switch capable of supporting OSPF, RIP v2, IPv6, Policy Based Routing, WCCP v2, QOS, and full Multicast routing capability. This switch typically serves as the L3 fiber distribution point as well as copper aggregation for the main closet. Switch is required to support a minimum of 24 Gigabit fiber uplink connections with flexibility to support SMF, MMF, and 1000base T SFP modules. The layer 3 routing switch must be PoE capable and support PoE+ Class 3 devices (30W) per interface. Capability to support up to 192 10/100/1000 Gigabit Ethernet ports in a single chassis would be desired. Ability to support telnet, SNMP, SSH for switch management is necessary. Also, it is required for the switch to support both IP address and MAC based access controls for security. Ability to span or port-mirror a port/ports/ or vlan over to another port would be necessary for troubleshooting for application issues.

Access Layer Switch

These switches will serve as the key layer-2 managed access layer devices in the network closets. Many of the network closets are high density consolidation points and stacking technology would be highly preferred. It is required due to rack density for the switch to be at least 48-port 10/100/1000 Gigabit Ethernet switch with a minimum of 4 SFP ports that will support SMF, MMF, or 1000 base T modules. The switch must be able to support PoE class 3 devices (15.4W) on all 48 ports simultaneously. It is required that the switch support telnet, SSH, and SNMP for network management as well as port span/mirror for troubleshooting. MAC- based access controls, 802.1X port-authentication mechanisms, and QoS are also required.

VoIP Gateway (Small –Under 50 phone implementation)

The VoIP Gateway will serve as the interface between Cisco 7900 series IP phones using SCCP and the Public service provider network. It is required to support MGCP Control Protocol and Cisco 7900 series phone registration for SRST functionality. A minimum of up to 50 SRST sessions are necessary. Capability to support at least 8 FXO interfaces as well as a minimum of 4 FXS interfaces is required to due load bell, intercom, and SRST integration. Advanced QoS is required with the ability to implement Policy-Based Routing, IPv4, IPv6, OSPF, and Multicast routing.

VoIP Gateway (Mid- sized –50-100 phone implementation)

The VoIP Gateway will serve as the interface between Cisco 7900 series IP phones using SCCP and the Public service provider network. It is required to support MGCP Control Protocol and Cisco 7900 series phone registration for SRST functionality. A minimum of up to 100 SRST sessions are necessary. Capability to support at least 8 FXO interfaces as well as a minimum of 8 FXS interfaces is required to due load bell, intercom, and SRST integration. Advanced QoS is required with the ability to implement Policy-Based Routing, IPv4, IPv6, OSPF, and Multicast routing.

Centralized Wireless Controller (Up to 500 Access Points)

The centralized wireless controller will be the key device to support a high demand wireless infrastructure designed for high density Wi-Fi access. The controller must support at least 500 802.11n Access Points and scale up to 7000 clients. Device must support the following wireless protocols: IEEE 802.11a, 802.11b, 802.11g, and 802.11n. HTTP, HTTPS, Telnet, SSH, and SNMP management protocols are required. A minimum of at least 8 Gigabit interfaces are required, with the option of MMF, SMF, or Gigabit Ethernet preferred. The wireless controller must support common and well-known security and encryption standards, such as WPA, WPA2, RFC 1851 (ESP 3DES), RFC2406 (IPSEC), RFC 2408 (ISAKMP), RFC 3280 (Internet X.509 PKI Certificate and CRL Profile). The controller must be compatible with the proposed 802.11n access points proposed for the solution for the schools.

Individual School Tables listed below:

E-Rate 2012 Albemarle Road ES

Electronics Description	Manufacturer	P/N	Estimated Quantity	Unit Cost	Extended Cost
Catalyst 2960S 48 GigE PoE 740W, 4 x SFP LAN Base OR EQUIVALENT	Cisco OR EQUIVALENT	WS-C2960S-48FPS-L OR EQUIVALENT	13		
Catalyst 2960S FlexStack Stack Module optional for LAN Base OR EQUIVALENT	Cisco OR EQUIVALENT	C2960S-STACK OR EQUIVALENT	13		
Cisco FlexStack 50cm stacking cable OR EQUIVALENT	Cisco OR EQUIVALENT	CAB-STK-E-0.5M OR EQUIVALENT	13		
GE SFP, LC connector SX transceiver OR EQUIVALENT	Cisco OR EQUIVALENT	GLC-SX-MM= OR EQUIVALENT	1		
ST-LC 62.5 micron 3M patch cable OR EQUIVALENT	Belkin OR EQUIVALENT	L5553MM6J7R003M OR EQUIVALENT	8		
LC-LC 50 micron 3M patch cable OR EQUIVALENT	Belkin OR EQUIVALENT	L3434MM5I2R003M OR EQUIVALENT	1		
Cat 6 5' patch cables - TEAL OR EQUIVALENT	Panduit OR EQUIVALENT	UTPSP5(TL)Y OR EQUIVALENT	271		
Cat 6 3' patch cables - YELLOW OR EQUIVALENT	Panduit OR EQUIVALENT	UTPSP3(YL)Y OR EQUIVALENT	77		
Cat 6 7' patch cables - YELLOW OR EQUIVALENT	Panduit OR EQUIVALENT	UTPSP7(YL)Y OR EQUIVALENT	77		
Tripp Lite 1500 On-Line Rack UPS OR EQUIVALENT	Tripp Lite OR EQUIVALENT	SU1500RTXL2UA OR EQUIVALENT	2		
Tripp Lite 3000 On-Line Rack UPS OR EQUIVALENT	Tripp Lite OR EQUIVALENT	SU3000RTXL2U OR EQUIVALENT	5		
Tripp Lite 2200VA On-Line Rack UPS OR EQUIVALENT	Tripp Lite OR EQUIVALENT	SU2200RTXL2Ua OR EQUIVALENT	1		
Tripp Lite UPS Battery Pack (SU2200RTXL2Ua) OR EQUIVALENT	Tripp Lite OR EQUIVALENT	BP48V24-2U OR EQUIVALENT	1		
2911 Voice Bundle w/PVDM3-16,FL-CME-SRST-25, UC License PAK OR EQUIVALENT	Cisco OR EQUIVALENT	C2911-CME-SRST/K9 OR EQUIVALENT	1		
Four-port Voice Interface Card – FXO (Universal) supports 2911 OR EQUIVALENT	Cisco OR EQUIVALENT	VIC2-4FXO= OR EQUIVALENT	1		
Four-Port Voice Interface Card – FXS and DID, supports 2911 OR EQUIVALENT	Cisco OR EQUIVALENT	VIC3-4FXS/DID= OR EQUIVALENT	1		
Communication Manager Express or SRST – 5 seat license OR EQUIVALENT	Cisco OR EQUIVALENT	FL-CME-SRST-5 OR EQUIVALENT	4		
802.11a/g/n Fixed Unified AP; Int Ant; A Reg Domain OR EQUIVALENT	Cisco OR EQUIVALENT	AIR-LAP1142N-A-K9 OR EQUIVALENT	77		
				Sub-total	
				Shipping Charges	
				Sales Tax 7.25%	
				Grand Total	

E-Rate 2012 Albemarle Road MS

Electronics Description	Manufacturer	P/N	Estimated Quantity	Unit Cost	Extended Cost
Catalyst 2960S 48 GigE PoE 740W, 4 x SFP LAN Base OR EQUIVALENT	Cisco OR EQUIVALENT	WS-C2960S-48FPS-L OR EQUIVALENT	18		
Catalyst 2960S FlexStack Stack Module optional for LAN Base OR EQUIVALENT	Cisco OR EQUIVALENT	C2960S-STACK OR EQUIVALENT	17		
Cisco FlexStack 50cm stacking cable OR EQUIVALENT	Cisco OR EQUIVALENT	CAB-STK-E-0.5M OR EQUIVALENT	17		
GE SFP, LC connector SX transceiver OR EQUIVALENT	Cisco OR EQUIVALENT	GLC-SX-MM= OR EQUIVALENT	6		
ST-LC 62.5 micron 3M patch cable OR EQUIVALENT	Belkin OR EQUIVALENT	L5553MM6J7R003M OR EQUIVALENT	8		
LC-LC 50 micron 3M patch cable OR EQUIVALENT	Belkin OR EQUIVALENT	L3434MM5I2R003M OR EQUIVALENT	1		
Cat 6 5' patch cables - TEAL OR EQUIVALENT	Panduit OR EQUIVALENT	UTPSP5(TL)Y OR EQUIVALENT	377		
Cat 6 3' patch cables - YELLOW OR EQUIVALENT	Panduit OR EQUIVALENT	UTPSP3(YL)Y OR EQUIVALENT	96		
Cat 6 7' patch cables - YELLOW OR EQUIVALENT	Panduit OR EQUIVALENT	UTPSP7(YL)Y OR EQUIVALENT	96		
Tripp Lite 1500 On-Line Rack UPS OR EQUIVALENT	Tripp Lite OR EQUIVALENT	SU1500RTXL2UA OR EQUIVALENT	4		
Tripp Lite 3000 On-Line Rack UPS OR EQUIVALENT	Tripp Lite OR EQUIVALENT	SU3000RTXL2U OR EQUIVALENT	7		
Tripp Lite UPS Battery Pack (SU3000RTXL2U) OR EQUIVALENT	Tripp Lite OR EQUIVALENT	BP72V15-2U OR EQUIVALENT	1		
2911 Voice Bundle w/PVDM3-16,FL-CME-SRST-25, UC License PAK OR EQUIVALENT	Cisco OR EQUIVALENT	C2911-CME-SRST/K9 OR EQUIVALENT	1		
Four-port Voice Interface Card – FXO (Universal) supports 2911 OR EQUIVALENT	Cisco OR EQUIVALENT	VIC2-4FXO= OR EQUIVALENT	1		
Four-Port Voice Interface Card – FXS and DID, supports 2911 OR EQUIVALENT	Cisco OR EQUIVALENT	VIC3-4FXS/DID= OR EQUIVALENT	1		
Communication Manager Express or SRST – 25 seat license OR EQUIVALENT	Cisco OR EQUIVALENT	FL-CME-SRST-25 OR EQUIVALENT	1		
Communication Manager Express or SRST – 5 seat license OR EQUIVALENT	Cisco OR EQUIVALENT	FL-CME-SRST-5 OR EQUIVALENT	1		
802.11a/g/n Fixed Unified AP; Int Ant; A Reg Domain OR EQUIVALENT	Cisco OR EQUIVALENT	AIR-LAP1142N-A-K9 OR EQUIVALENT	95		
802.11a/g/n Ctrlr-based AP; Ext Ant; A Reg Domain OR EQUIVALENT	Cisco OR EQUIVALENT	AIR-LAP1262N-A-K9 OR EQUIVALENT	1		
2.4 GHz 6.0 Bi Patch Wall Mount Antenna w/RP- TNC OR EQUIVALENT	Cisco OR EQUIVALENT	AIR-ANT2460P-R OR EQUIVALENT	1		
				Sub-total	
				Shipping Charges	
				Sales Tax 7.25%	
				Grand Total	

E-Rate 2012 Allenbrook

Electronics Description	Manufacturer	P/N	Estimated Quantity	Unit Cost	Extended Cost
Catalyst 2960S 48 GigE PoE 740W, 4 x SFP LAN Base OR EQUIVALENT	Cisco OR EQUIVALENT	WS-C2960S-48FPS-L OR EQUIVALENT	5		
Catalyst 2960S FlexStack Stack Module optional for LAN Base OR EQUIVALENT	Cisco OR EQUIVALENT	C2960S-STACK OR EQUIVALENT	4		
Cisco FlexStack 50cm stacking cable OR EQUIVALENT	Cisco OR EQUIVALENT	CAB-STK-E-0.5M OR EQUIVALENT	4		
Crossover CAT 6 7' RJ45 OR EQUIVALENT	Belkin OR EQUIVALENT	A3X189-07-YLW-5 OR EQUIVALENT	2		
Cat 6 5' patch cables - TEAL OR EQUIVALENT	Panduit OR EQUIVALENT	UTPSP5(TL)Y OR EQUIVALENT	146		
Cat 6 3' patch cables - YELLOW OR EQUIVALENT	Panduit OR EQUIVALENT	UTPSP3(YL)Y OR EQUIVALENT	37		
Cat 6 7' patch cables - YELLOW OR EQUIVALENT	Panduit OR EQUIVALENT	UTPSP7(YL)Y OR EQUIVALENT	37		
Tripp Lite 1500 On-Line Rack UPS OR EQUIVALENT	Tripp Lite OR EQUIVALENT	SU1500RTXL2UA OR EQUIVALENT	1		
Tripp Lite 3000 On-Line Rack UPS OR EQUIVALENT	Tripp Lite OR EQUIVALENT	SU3000RTXL2U OR EQUIVALENT	2		
Tripp Lite UPS Battery Pack (SU3000RTXL2U) OR EQUIVALENT	Tripp Lite OR EQUIVALENT	BP72V15-2U OR EQUIVALENT	1		
2911 Voice Bundle w/PVDM3-16,FL-CME-SRST-25, UC License PAK OR EQUIVALENT	Cisco OR EQUIVALENT	C2911-CME-SRST/K9 OR EQUIVALENT	1		
Four-port Voice Interface Card – FXO (Universal) supports 2911 OR EQUIVALENT	Cisco OR EQUIVALENT	VIC2-4FXO= OR EQUIVALENT	1		
Four-Port Voice Interface Card – FXS and DID, supports 2911 OR EQUIVALENT	Cisco OR EQUIVALENT	VIC3-4FXS/DID= OR EQUIVALENT	1		
802.11a/g/n Fixed Unified AP; Int Ant; A Reg Domain OR EQUIVALENT	Cisco OR EQUIVALENT	AIR-LAP1142N-A-K9 OR EQUIVALENT	36		
802.11a/g/n Ctrlr-based AP; Ext Ant; A Reg Domain OR EQUIVALENT	Cisco OR EQUIVALENT	AIR-LAP1262N-A-K9 OR EQUIVALENT	1		
2.4 GHz 6.0 Bi Patch Wall Mount Antenna w/RP-TNC OR EQUIVALENT	Cisco OR EQUIVALENT	AIR-ANT2460P-R OR EQUIVALENT	1		
				Sub-total	
				Shipping Charges	
				Sales Tax 7.25%	
				Grand Total	

E-Rate 2012 Ashley Park ES

Electronics Description	Manufacturer	P/N	Estimated Quantity	Unit Cost	Extended Cost
Catalyst 2960S 48 GigE PoE 740W, 4 x SFP LAN Base OR EQUIVALENT	Cisco OR EQUIVALENT	WS-C2960S-48FPS-L OR EQUIVALENT	7		
Catalyst 2960S FlexStack Stack Module optional for LAN Base OR EQUIVALENT	Cisco OR EQUIVALENT	C2960S-STACK OR EQUIVALENT	7		
Cisco FlexStack 50cm stacking cable OR EQUIVALENT	Cisco OR EQUIVALENT	CAB-STK-E-0.5M OR EQUIVALENT	7		
Crossover CAT 6 7' RJ45 OR EQUIVALENT	Belkin OR EQUIVALENT	A3X189-07-YLW-5 OR EQUIVALENT	1		
ST-LC 62.5 micron 3M patch cable OR EQUIVALENT	Belkin OR EQUIVALENT	L5553MM6J7R003M OR EQUIVALENT	3		
Cat 6 5' patch cables - TEAL OR EQUIVALENT	Panduit OR EQUIVALENT	UTPSP5(TL)Y OR EQUIVALENT	114		
Cat 6 3' patch cables - YELLOW OR EQUIVALENT	Panduit OR EQUIVALENT	UTPSP3(YL)Y OR EQUIVALENT	51		
Cat 6 7' patch cables - YELLOW OR EQUIVALENT	Panduit OR EQUIVALENT	UTPSP7(YL)Y OR EQUIVALENT	51		
Tripp Lite 1500 On-Line Rack UPS OR EQUIVALENT	Tripp Lite OR EQUIVALENT	SU1500RTL2UA OR EQUIVALENT	1		
Tripp Lite 3000 On-Line Rack UPS OR EQUIVALENT	Tripp Lite OR EQUIVALENT	SU3000RTL2U OR EQUIVALENT	3		
Tripp Lite UPS Battery Pack (SU3000RTL2U) OR EQUIVALENT	Tripp Lite OR EQUIVALENT	BP72V15-2U OR EQUIVALENT	1		
2911 Voice Bundle w/PVDM3-16,FL-CME-SRST-25, UC License PAK OR EQUIVALENT	Cisco OR EQUIVALENT	C2911-CME-SRST/K9 OR EQUIVALENT	1		
Four-port Voice Interface Card – FXO (Universal) supports 2911 OR EQUIVALENT	Cisco OR EQUIVALENT	VIC2-4FXO= OR EQUIVALENT	1		
Four-Port Voice Interface Card – FXS and DID, supports 2911 OR EQUIVALENT	Cisco OR EQUIVALENT	VIC3-4FXS/DID= OR EQUIVALENT	1		
Communication Manager Express or SRST – 5 seat license OR EQUIVALENT	Cisco OR EQUIVALENT	FL-CME-SRST-5 OR EQUIVALENT	4		
802.11a/g/n Fixed Unified AP; Int Ant; A Reg Domain OR EQUIVALENT	Cisco OR EQUIVALENT	AIR-LAP1142N-A-K9 OR EQUIVALENT	49		
802.11a/g/n Ctrlr-based AP; Ext Ant; A Reg Domain OR EQUIVALENT	Cisco OR EQUIVALENT	AIR-LAP1262N-A-K9 OR EQUIVALENT	2		
2.4 GHz 6.0 Bi Patch Wall Mount Antenna w/RP-TNC OR EQUIVALENT	Cisco OR EQUIVALENT	AIR-ANT2460P-R OR EQUIVALENT	2		
				Sub-total	
				Shipping Charges	
				Sales Tax 7.25%	
				Grand Total	

E-Rate 2012 Berryhill

Electronics Description	Manufacturer	P/N	Estimated Quantity	Unit Cost	Extended Cost
Catalyst 2960S 48 GigE PoE 740W, 4 x SFP LAN Base OR EQUIVALENT	Cisco OR EQUIVALENT	WS-C2960S-48FPS-L OR EQUIVALENT	8		
Catalyst 2960S FlexStack Stack Module optional for LAN Base OR EQUIVALENT	Cisco OR EQUIVALENT	C2960S-STACK OR EQUIVALENT	7		
Cisco FlexStack 50cm stacking cable OR EQUIVALENT	Cisco OR EQUIVALENT	CAB-STK-E-0.5M OR EQUIVALENT	7		
Crossover CAT 6 7' RJ45 OR EQUIVALENT	Belkin OR EQUIVALENT	A3X189-07-YLW-5 OR EQUIVALENT	1		
ST-LC 62.5 micron 3M patch cable OR EQUIVALENT	Belkin OR EQUIVALENT	L5553MM6J7R003M OR EQUIVALENT	3		
LC-LC 50 micron 3M patch cable OR EQUIVALENT	Belkin OR EQUIVALENT	L3434MM5I2R003M OR EQUIVALENT	1		
Cat 6 5' patch cables - TEAL OR EQUIVALENT	Panduit OR EQUIVALENT	UTPSP5(TL)Y OR EQUIVALENT	112		
Cat 6 3' patch cables - YELLOW OR EQUIVALENT	Panduit OR EQUIVALENT	UTPSP3(YL)Y OR EQUIVALENT	54		
Cat 6 7' patch cables - YELLOW OR EQUIVALENT	Panduit OR EQUIVALENT	UTPSP7(YL)Y OR EQUIVALENT	54		
Tripp Lite 1500 On-Line Rack UPS OR EQUIVALENT	Tripp Lite OR EQUIVALENT	SU1500RTXL2UA OR EQUIVALENT	2		
Tripp Lite 3000 On-Line Rack UPS OR EQUIVALENT	Tripp Lite OR EQUIVALENT	SU3000RTXL2U OR EQUIVALENT	3		
Tripp Lite UPS Battery Pack (SU3000RTXL2U) OR EQUIVALENT	Tripp Lite OR EQUIVALENT	BP72V15-2U OR EQUIVALENT	1		
2911 Voice Bundle w/PVDM3-16,FL-CME-SRST-25, UC License PAK OR EQUIVALENT	Cisco OR EQUIVALENT	C2911-CME-SRST/K9 OR EQUIVALENT	1		
Four-port Voice Interface Card – FXO (Universal) supports 2911 OR EQUIVALENT	Cisco OR EQUIVALENT	VIC2-4FXO= OR EQUIVALENT	1		
Four-Port Voice Interface Card – FXS and DID, supports 2911 OR EQUIVALENT	Cisco OR EQUIVALENT	VIC3-4FXS/DID= OR EQUIVALENT	1		
Communication Manager Express or SRST – 5 seat license OR EQUIVALENT	Cisco OR EQUIVALENT	FL-CME-SRST-5 OR EQUIVALENT	3		
802.11a/g/n Fixed Unified AP; Int Ant; A Reg Domain OR EQUIVALENT	Cisco OR EQUIVALENT	AIR-LAP1142N-A-K9 OR EQUIVALENT	53		
802.11a/g/n Ctrlr-based AP; Ext Ant; A Reg Domain OR EQUIVALENT	Cisco OR EQUIVALENT	AIR-LAP1262N-A-K9 OR EQUIVALENT	1		
2.4 GHz 6.0 Bi Patch Wall Mount Antenna w/RP-TNC OR EQUIVALENT	Cisco OR EQUIVALENT	AIR-ANT2460P-R OR EQUIVALENT	1		
				Sub-total	
				Shipping Charges	
				Sales Tax 7.25%	
				Grand Total	

E-Rate 2012 Billingsville ES

Electronics Description	Manufacturer	P/N	Estimated Quantity	Unit Cost	Extended Cost
Catalyst 2960S 48 GigE PoE 740W, 4 x SFP LAN Base OR EQUIVALENT	Cisco OR EQUIVALENT	WS-C2960S-48FPS-L OR EQUIVALENT	12		
Catalyst 2960S FlexStack Stack Module optional for LAN Base OR EQUIVALENT	Cisco OR EQUIVALENT	C2960S-STACK OR EQUIVALENT	9		
Cisco FlexStack 50cm stacking cable OR EQUIVALENT	Cisco OR EQUIVALENT	CAB-STK-E-0.5M OR EQUIVALENT	9		
GE SFP, LC connector SX transceiver OR EQUIVALENT	Cisco OR EQUIVALENT	GLC-SX-MM= OR EQUIVALENT	2		
Crossover CAT 6 7' RJ45 OR EQUIVALENT	Belkin OR EQUIVALENT	A3X189-07-YLW-5 OR EQUIVALENT	1		
ST-LC 62.5 micron 3M patch cable OR EQUIVALENT	Belkin OR EQUIVALENT	L5553MM6J7R003M OR EQUIVALENT	8		
LC-LC 50 micron 3M patch cable OR EQUIVALENT	Belkin OR EQUIVALENT	L3434MM5I2R003M OR EQUIVALENT	1		
Cat 6 5' patch cables - TEAL OR EQUIVALENT	Panduit OR EQUIVALENT	UTPSP5(TL)Y OR EQUIVALENT	205		
Cat 6 3' patch cables - YELLOW OR EQUIVALENT	Panduit OR EQUIVALENT	UTPSP3(YL)Y OR EQUIVALENT	67		
Cat 6 7' patch cables - YELLOW OR EQUIVALENT	Panduit OR EQUIVALENT	UTPSP7(YL)Y OR EQUIVALENT	67		
Tripp Lite 1500 On-Line Rack UPS OR EQUIVALENT	Tripp Lite OR EQUIVALENT	SU1500RTXL2UA OR EQUIVALENT	3		
Tripp Lite 3000 On-Line Rack UPS OR EQUIVALENT	Tripp Lite OR EQUIVALENT	SU3000RTXL2U OR EQUIVALENT	4		
Tripp Lite 2200VA On-Line Rack UPS OR EQUIVALENT	Tripp Lite OR EQUIVALENT	SU2200RTXL2Ua OR EQUIVALENT	1		
Tripp Lite UPS Battery Pack (SU2200RTXL2Ua) OR EQUIVALENT	Tripp Lite OR EQUIVALENT	BP48V24-2U OR EQUIVALENT	1		
2921 Voice bundle w/PVDM3-32,FL-CME-SRST-25, UC License PAK OR EQUIVALENT	Cisco OR EQUIVALENT	C2921-CME-SRST/K9 OR EQUIVALENT	1		
Four-port Voice Interface Card – FXO (Universal) supports 2911 OR EQUIVALENT	Cisco OR EQUIVALENT	VIC2-4FXO= OR EQUIVALENT	1		
Four-Port Voice Interface Card – FXS and DID, supports 2911 OR EQUIVALENT	Cisco OR EQUIVALENT	VIC3-4FXS/DID= OR EQUIVALENT	1		
Communication Manager Express or SRST – 25 seat license OR EQUIVALENT	Cisco OR EQUIVALENT	FL-CME-SRST-25 OR EQUIVALENT	1		
Communication Manager Express or SRST – 5 seat license OR EQUIVALENT	Cisco OR EQUIVALENT	FL-CME-SRST-5 OR EQUIVALENT	2		
802.11a/g/n Fixed Unified AP; Int Ant; A Reg Domain OR EQUIVALENT	Cisco OR EQUIVALENT	AIR-LAP1142N-A-K9 OR EQUIVALENT	66		
802.11a/g/n Ctrlr-based AP; Ext Ant; A Reg Domain OR EQUIVALENT	Cisco OR EQUIVALENT	AIR-LAP1262N-A-K9 OR EQUIVALENT	1		
2.4 GHz 6.0 Bi Patch Wall Mount Antenna w/RP-TNC OR EQUIVALENT	Cisco OR EQUIVALENT	AIR-ANT2460P-R OR EQUIVALENT	1		
				Sub-total	
				Shipping Charges	
				Sales Tax 7.25%	
				Grand Total	

E-Rate 2012 Briarwood ES

Electronics Description	Manufacturer	P/N	Estimated Quantity	Unit Cost	Extended Cost
Catalyst 2960S 48 GigE PoE 740W, 4 x SFP LAN Base OR EQUIVALENT	Cisco OR EQUIVALENT	WS-C2960S-48FPS-L OR EQUIVALENT	9		
Catalyst 2960S FlexStack Stack Module optional for LAN Base OR EQUIVALENT	Cisco OR EQUIVALENT	C2960S-STACK OR EQUIVALENT	6		
Cisco FlexStack 50cm stacking cable OR EQUIVALENT	Cisco OR EQUIVALENT	CAB-STK-E-0.5M OR EQUIVALENT	6		
GE SFP, LC connector SX transceiver OR EQUIVALENT	Cisco OR EQUIVALENT	GLC-SX-MM= OR EQUIVALENT	2		
Crossover CAT 6 7' RJ45 OR EQUIVALENT	Belkin OR EQUIVALENT	A3X189-07-YLW-5 OR EQUIVALENT	1		
ST-LC 62.5 micron 3M patch cable OR EQUIVALENT	Belkin OR EQUIVALENT	L5553MM6J7R003M OR EQUIVALENT	6		
LC-LC 50 micron 3M patch cable OR EQUIVALENT	Belkin OR EQUIVALENT	L3434MM5I2R003M OR EQUIVALENT	1		
Cat 6 5' patch cables - TEAL OR EQUIVALENT	Panduit OR EQUIVALENT	UTPSP5(TL)Y OR EQUIVALENT	242		
Cat 6 3' patch cables - YELLOW OR EQUIVALENT	Panduit OR EQUIVALENT	UTPSP3(YL)Y OR EQUIVALENT	56		
Cat 6 7' patch cables - YELLOW OR EQUIVALENT	Panduit OR EQUIVALENT	UTPSP7(YL)Y OR EQUIVALENT	56		
Tripp Lite 1500 On-Line Rack UPS OR EQUIVALENT	Tripp Lite OR EQUIVALENT	SU1500RTXL2UA OR EQUIVALENT	3		
Tripp Lite 3000 On-Line Rack UPS OR EQUIVALENT	Tripp Lite OR EQUIVALENT	SU3000RTXL2U OR EQUIVALENT	3		
Tripp Lite UPS Battery Pack (SU3000RTXL2U) OR EQUIVALENT	Tripp Lite OR EQUIVALENT	BP72V15-2U OR EQUIVALENT	1		
2911 Voice Bundle w/PVDM3-16,FL-CME-SRST-25, UC License PAK OR EQUIVALENT	Cisco OR EQUIVALENT	C2911-CME-SRST/K9 OR EQUIVALENT	1		
Four-port Voice Interface Card – FXO (Universal) supports 2911 OR EQUIVALENT	Cisco OR EQUIVALENT	VIC2-4FXO= OR EQUIVALENT	1		
Four-Port Voice Interface Card – FXS and DID, supports 2911 OR EQUIVALENT	Cisco OR EQUIVALENT	VIC3-4FXS/DID= OR EQUIVALENT	1		
Communication Manager Express or SRST – 5 seat license OR EQUIVALENT	Cisco OR EQUIVALENT	FL-CME-SRST-5 OR EQUIVALENT	2		
802.11a/g/n Fixed Unified AP; Int Ant; A Reg Domain OR EQUIVALENT	Cisco OR EQUIVALENT	AIR-LAP1142N-A-K9 OR EQUIVALENT	54		
802.11a/g/n Ctrlr-based AP; Ext Ant; A Reg Domain OR EQUIVALENT	Cisco OR EQUIVALENT	AIR-LAP1262N-A-K9 OR EQUIVALENT	2		
2.4 GHz 6.0 Bi Patch Wall Mount Antenna w/RP-TNC OR EQUIVALENT	Cisco OR EQUIVALENT	AIR-ANT2460P-R OR EQUIVALENT	2		
				Sub-total	
				Shipping Charges	
				Sales Tax 7.25%	
				Grand Total	

E-Rate 2012 Bruns Academy

Electronics Description	Manufacturer	P/N	Estimated Quantity	Unit Cost	Extended Cost
Catalyst 2960S 48 GigE PoE 740W, 4 x SFP LAN Base OR EQUIVALENT	Cisco OR EQUIVALENT	WS-C2960S-48FPS-L OR EQUIVALENT	9		
Catalyst 2960S FlexStack Stack Module optional for LAN Base OR EQUIVALENT	Cisco OR EQUIVALENT	C2960S-STACK OR EQUIVALENT	9		
Cisco FlexStack 50cm stacking cable OR EQUIVALENT	Cisco OR EQUIVALENT	CAB-STK-E-0.5M OR EQUIVALENT	9		
GE SFP, LC connector SX transceiver OR EQUIVALENT	Cisco OR EQUIVALENT	GLC-SX-MM= OR EQUIVALENT	3		
Crossover CAT 6 7' RJ45 OR EQUIVALENT	Belkin OR EQUIVALENT	A3X189-07-YLW-5 OR EQUIVALENT	1		
ST-LC 62.5 micron 3M patch cable OR EQUIVALENT	Belkin OR EQUIVALENT	L5553MM6J7R003M OR EQUIVALENT	4		
Cat 6 5' patch cables - TEAL OR EQUIVALENT	Panduit OR EQUIVALENT	UTPSP5(TL)Y OR EQUIVALENT	156		
Cat 6 3' patch cables - YELLOW OR EQUIVALENT	Panduit OR EQUIVALENT	UTPSP3(YL)Y OR EQUIVALENT	70		
Cat 6 7' patch cables - YELLOW OR EQUIVALENT	Panduit OR EQUIVALENT	UTPSP7(YL)Y OR EQUIVALENT	70		
Tripp Lite 1500 On-Line Rack UPS OR EQUIVALENT	Tripp Lite OR EQUIVALENT	SU1500RTXL2UA OR EQUIVALENT	2		
Tripp Lite 3000 On-Line Rack UPS OR EQUIVALENT	Tripp Lite OR EQUIVALENT	SU3000RTXL2U OR EQUIVALENT	3		
Tripp Lite 2200VA On-Line Rack UPS OR EQUIVALENT	Tripp Lite OR EQUIVALENT	SU2200RTXL2Ua OR EQUIVALENT	1		
Tripp Lite UPS Battery Pack (SU2200RTXL2Ua) OR EQUIVALENT	Tripp Lite OR EQUIVALENT	BP48V24-2U OR EQUIVALENT	1		
2911 Voice Bundle w/PVDM3-16,FL-CME-SRST-25, UC License PAK OR EQUIVALENT	Cisco OR EQUIVALENT	C2911-CME-SRST/K9 OR EQUIVALENT	1		
Four-port Voice Interface Card – FXO (Universal) supports 2911 OR EQUIVALENT	Cisco OR EQUIVALENT	VIC2-4FXO= OR EQUIVALENT	1		
Four-Port Voice Interface Card – FXS and DID, supports 2911 OR EQUIVALENT	Cisco OR EQUIVALENT	VIC3-4FXS/DID= OR EQUIVALENT	1		
Communication Manager Express or SRST – 5 seat license OR EQUIVALENT	Cisco OR EQUIVALENT	FL-CME-SRST-5 OR EQUIVALENT	1		
802.11a/g/n Fixed Unified AP; Int Ant; A Reg Domain OR EQUIVALENT	Cisco OR EQUIVALENT	AIR-LAP1142N-A-K9 OR EQUIVALENT	68		
802.11a/g/n Ctrlr-based AP; Ext Ant; A Reg Domain OR EQUIVALENT	Cisco OR EQUIVALENT	AIR-LAP1262N-A-K9 OR EQUIVALENT	2		
2.4 GHz 6.0 Bi Patch Wall Mount Antenna w/RP-TNC OR EQUIVALENT	Cisco OR EQUIVALENT	AIR-ANT2460P-R OR EQUIVALENT	2		
				Sub-total	
				Shipping Charges	
				Sales Tax 7.25%	
				Grand Total	

E-Rate 2012 Cochrane MS

Electronics Description	Manufacturer	P/N	Estimated Quantity	Unit Cost	Extended Cost
Catalyst 2960S 48 GigE PoE 740W, 4 x SFP LAN Base OR EQUIVALENT	Cisco OR EQUIVALENT	WS-C2960S-48FPS-L OR EQUIVALENT	25		
Catalyst 2960S FlexStack Stack Module optional for LAN Base OR EQUIVALENT	Cisco OR EQUIVALENT	C2960S-STACK OR EQUIVALENT	22		
Cisco FlexStack 50cm stacking cable OR EQUIVALENT	Cisco OR EQUIVALENT	CAB-STK-E-0.5M OR EQUIVALENT	22		
Crossover CAT 6 7' RJ45 OR EQUIVALENT	Belkin OR EQUIVALENT	A3X189-07-YLW-5 OR EQUIVALENT	2		
ST-LC 62.5 micron 3M patch cable OR EQUIVALENT	Belkin OR EQUIVALENT	L5553MM6J7R003M OR EQUIVALENT	16		
LC-LC 50 micron 3M patch cable OR EQUIVALENT	Belkin OR EQUIVALENT	L3434MM5I2R003M OR EQUIVALENT	1		
Cat 6 5' patch cables - TEAL OR EQUIVALENT	Panduit OR EQUIVALENT	UTPSP5(TL)Y OR EQUIVALENT	670		
Cat 6 3' patch cables - YELLOW OR EQUIVALENT	Panduit OR EQUIVALENT	UTPSP3(YL)Y OR EQUIVALENT	77		
Cat 6 7' patch cables - YELLOW OR EQUIVALENT	Panduit OR EQUIVALENT	UTPSP7(YL)Y OR EQUIVALENT	77		
Tripp Lite 1500 On-Line Rack UPS OR EQUIVALENT	Tripp Lite OR EQUIVALENT	SU1500RTXL2UA OR EQUIVALENT	5		
Tripp Lite 3000 On-Line Rack UPS OR EQUIVALENT	Tripp Lite OR EQUIVALENT	SU3000RTXL2U OR EQUIVALENT	10		
Tripp Lite UPS Battery Pack (SU3000RTXL2U) OR EQUIVALENT	Tripp Lite OR EQUIVALENT	BP72V15-2U OR EQUIVALENT	1		
2911 Voice Bundle w/PVDM3-16,FL-CME-SRST-25, UC License PAK OR EQUIVALENT	Cisco OR EQUIVALENT	C2911-CME-SRST/K9 OR EQUIVALENT	1		
Four-port Voice Interface Card – FXO (Universal) supports 2911 OR EQUIVALENT	Cisco OR EQUIVALENT	VIC2-4FXO= OR EQUIVALENT	1		
Four-Port Voice Interface Card – FXS and DID, supports 2911 OR EQUIVALENT	Cisco OR EQUIVALENT	VIC3-4FXS/DID= OR EQUIVALENT	1		
Communication Manager Express or SRST – 25 seat license OR EQUIVALENT	Cisco OR EQUIVALENT	FL-CME-SRST-25 OR EQUIVALENT	1		
802.11a/g/n Fixed Unified AP; Int Ant; A Reg Domain OR EQUIVALENT	Cisco OR EQUIVALENT	AIR-LAP1142N-A-K9 OR EQUIVALENT	75		
802.11a/g/n Ctrlr-based AP; Ext Ant; A Reg Domain OR EQUIVALENT	Cisco OR EQUIVALENT	AIR-LAP1262N-A-K9 OR EQUIVALENT	2		
2.4 GHz 6.0 Bi Patch Wall Mount Antenna w/RP-TNC OR EQUIVALENT	Cisco OR EQUIVALENT	AIR-ANT2460P-R OR EQUIVALENT	2		
				Sub-total	
				Shipping Charges	
				Sales Tax 7.25%	
				Grand Total	

E-Rate 2012 Devonshire ES

Electronics Description	Manufacturer	P/N	Estimated Quantity	Unit Cost	Extended Cost
Catalyst 2960S 48 GigE PoE 740W, 4 x SFP LAN Base OR EQUIVALENT	Cisco OR EQUIVALENT	WS-C2960S-48FPS-L OR EQUIVALENT	11		
Catalyst 2960S FlexStack Stack Module optional for LAN Base OR EQUIVALENT	Cisco OR EQUIVALENT	C2960S-STACK OR EQUIVALENT	8		
Cisco FlexStack 50cm stacking cable OR EQUIVALENT	Cisco OR EQUIVALENT	CAB-STK-E-0.5M OR EQUIVALENT	8		
GE SFP, LC connector SX transceiver OR EQUIVALENT	Cisco OR EQUIVALENT	GLC-SX-MM= OR EQUIVALENT	7		
Crossover CAT 6 7' RJ45 OR EQUIVALENT	Belkin OR EQUIVALENT	A3X189-07-YLW-5 OR EQUIVALENT	2		
ST-LC 62.5 micron 3M patch cable OR EQUIVALENT	Belkin OR EQUIVALENT	L5553MM6J7R003M OR EQUIVALENT	8		
Cat 6 5' patch cables - TEAL OR EQUIVALENT	Panduit OR EQUIVALENT	UTPSP5(TL)Y OR EQUIVALENT	168		
Cat 6 3' patch cables - YELLOW OR EQUIVALENT	Panduit OR EQUIVALENT	UTPSP3(YL)Y OR EQUIVALENT	70		
Cat 6 7' patch cables - YELLOW OR EQUIVALENT	Panduit OR EQUIVALENT	UTPSP7(YL)Y OR EQUIVALENT	70		
Tripp Lite 1500 On-Line Rack UPS OR EQUIVALENT	Tripp Lite OR EQUIVALENT	SU1500RTXL2UA OR EQUIVALENT	3		
Tripp Lite 3000 On-Line Rack UPS OR EQUIVALENT	Tripp Lite OR EQUIVALENT	SU3000RTXL2U OR EQUIVALENT	4		
Tripp Lite UPS Battery Pack (SU3000RTXL2U) OR EQUIVALENT	Tripp Lite OR EQUIVALENT	BP72V15-2U OR EQUIVALENT	1		
2911 Voice Bundle w/PVDM3-16,FL-CME-SRST-25, UC License PAK OR EQUIVALENT	Cisco OR EQUIVALENT	C2911-CME-SRST/K9 OR EQUIVALENT	1		
Four-port Voice Interface Card – FXO (Universal) supports 2911 OR EQUIVALENT	Cisco OR EQUIVALENT	VIC2-4FXO= OR EQUIVALENT	1		
Four-Port Voice Interface Card – FXS and DID, supports 2911 OR EQUIVALENT	Cisco OR EQUIVALENT	VIC3-4FXS/DID= OR EQUIVALENT	1		
Communication Manager Express or SRST – 5 seat license OR EQUIVALENT	Cisco OR EQUIVALENT	FL-CME-SRST-5 OR EQUIVALENT	1		
802.11a/g/n Fixed Unified AP; Int Ant; A Reg Domain OR EQUIVALENT	Cisco OR EQUIVALENT	AIR-LAP1142N-A-K9 OR EQUIVALENT	68		
802.11a/g/n Ctrlr-based AP; Ext Ant; A Reg Domain OR EQUIVALENT	Cisco OR EQUIVALENT	AIR-LAP1262N-A-K9 OR EQUIVALENT	2		
2.4 GHz 6.0 Bi Patch Wall Mount Antenna w/RP-TNC OR EQUIVALENT	Cisco OR EQUIVALENT	AIR-ANT2460P-R OR EQUIVALENT	2		
				Sub-total	
				Shipping Charges	
				Sales Tax 7.25%	
				Grand Total	

E-Rate 2012 Druid Hills

Electronics Description	Manufacturer	P/N	Estimated Quantity	Unit Cost	Extended Cost
Catalyst 2960S 48 GigE PoE 740W, 4 x SFP LAN Base OR EQUIVALENT	Cisco OR EQUIVALENT	WS-C2960S-48FPS-L OR EQUIVALENT	11		
Catalyst 2960S FlexStack Stack Module optional for LAN Base OR EQUIVALENT	Cisco OR EQUIVALENT	C2960S-STACK OR EQUIVALENT	10		
Cisco FlexStack 50cm stacking cable OR EQUIVALENT	Cisco OR EQUIVALENT	CAB-STK-E-0.5M OR EQUIVALENT	10		
Crossover CAT 6 7' RJ45 OR EQUIVALENT	Belkin OR EQUIVALENT	A3X189-07-YLW-5 OR EQUIVALENT	1		
ST-LC 62.5 micron 3M patch cable OR EQUIVALENT	Belkin OR EQUIVALENT	L5553MM6J7R003M OR EQUIVALENT	4		
LC-LC 50 micron 3M patch cable OR EQUIVALENT	Belkin OR EQUIVALENT	L3434MM5I2R003M OR EQUIVALENT	1		
Cat 6 5' patch cables - TEAL OR EQUIVALENT	Panduit OR EQUIVALENT	UTPSP5(TL)Y OR EQUIVALENT	235		
Cat 6 3' patch cables - YELLOW OR EQUIVALENT	Panduit OR EQUIVALENT	UTPSP3(YL)Y OR EQUIVALENT	69		
Cat 6 7' patch cables - YELLOW OR EQUIVALENT	Panduit OR EQUIVALENT	UTPSP7(YL)Y OR EQUIVALENT	69		
Tripp Lite 1500 On-Line Rack UPS OR EQUIVALENT	Tripp Lite OR EQUIVALENT	SU1500RTXL2UA OR EQUIVALENT	3		
Tripp Lite 3000 On-Line Rack UPS OR EQUIVALENT	Tripp Lite OR EQUIVALENT	SU3000RTXL2U OR EQUIVALENT	4		
Tripp Lite UPS Battery Pack (SU3000RTXL2U) OR EQUIVALENT	Tripp Lite OR EQUIVALENT	BP72V15-2U OR EQUIVALENT	1		
2911 Voice Bundle w/PVDM3-16,FL-CME-SRST-25, UC License PAK OR EQUIVALENT	Cisco OR EQUIVALENT	C2911-CME-SRST/K9 OR EQUIVALENT	1		
Four-port Voice Interface Card – FXO (Universal) supports 2911 OR EQUIVALENT	Cisco OR EQUIVALENT	VIC2-4FXO= OR EQUIVALENT	1		
Four-Port Voice Interface Card – FXS and DID, supports 2911 OR EQUIVALENT	Cisco OR EQUIVALENT	VIC3-4FXS/DID= OR EQUIVALENT	1		
Communication Manager Express or SRST – 25 seat license OR EQUIVALENT	Cisco OR EQUIVALENT	FL-CME-SRST-25 OR EQUIVALENT	1		
802.11a/g/n Fixed Unified AP; Int Ant; A Reg Domain OR EQUIVALENT	Cisco OR EQUIVALENT	AIR-LAP1142N-A-K9 OR EQUIVALENT	68		
802.11a/g/n Ctrlr-based AP; Ext Ant; A Reg Domain OR EQUIVALENT	Cisco OR EQUIVALENT	AIR-LAP1262N-A-K9 OR EQUIVALENT	1		
2.4 GHz 6.0 Bi Patch Wall Mount Antenna w/RP-TNC OR EQUIVALENT	Cisco OR EQUIVALENT	AIR-ANT2460P-R OR EQUIVALENT	1		
				Sub-total	
				Shipping Charges	
				Sales Tax 7.25%	
				Grand Total	

E-Rate 2012 Eastway MS

Electronics Description	Manufacturer	P/N	Estimated Quantity	Unit Cost	Extended Cost
Catalyst 2960S 48 GigE PoE 740W, 4 x SFP LAN Base OR EQUIVALENT	Cisco OR EQUIVALENT	WS-C2960S-48FPS-L OR EQUIVALENT	21		
Catalyst 2960S FlexStack Stack Module optional for LAN Base OR EQUIVALENT	Cisco OR EQUIVALENT	C2960S-STACK OR EQUIVALENT	19		
Cisco FlexStack 50cm stacking cable OR EQUIVALENT	Cisco OR EQUIVALENT	CAB-STK-E-0.5M OR EQUIVALENT	19		
Crossover CAT 6 7' RJ45 OR EQUIVALENT	Belkin OR EQUIVALENT	A3X189-07-YLW-5 OR EQUIVALENT	1		
ST-LC 62.5 micron 3M patch cable OR EQUIVALENT	Belkin OR EQUIVALENT	L5553MM6J7R003M OR EQUIVALENT	12		
LC-LC 50 micron 3M patch cable OR EQUIVALENT	Belkin OR EQUIVALENT	L3434MM5I2R003M OR EQUIVALENT	1		
Cat 6 5' patch cables - TEAL OR EQUIVALENT	Panduit OR EQUIVALENT	UTPSP5(TL)Y OR EQUIVALENT	336		
Cat 6 3' patch cables - YELLOW OR EQUIVALENT	Panduit OR EQUIVALENT	UTPSP3(YL)Y OR EQUIVALENT	98		
Cat 6 7' patch cables - YELLOW OR EQUIVALENT	Panduit OR EQUIVALENT	UTPSP7(YL)Y OR EQUIVALENT	98		
Tripp Lite 1500 On-Line Rack UPS OR EQUIVALENT	Tripp Lite OR EQUIVALENT	SU1500RTXL2UA OR EQUIVALENT	3		
Tripp Lite 3000 On-Line Rack UPS OR EQUIVALENT	Tripp Lite OR EQUIVALENT	SU3000RTXL2U OR EQUIVALENT	9		
Tripp Lite UPS Battery Pack (SU3000RTXL2U) OR EQUIVALENT	Tripp Lite OR EQUIVALENT	BP72V15-2U OR EQUIVALENT	1		
2921 Voice bundle w/PVDM3-32,FL-CME-SRST-25, UC License PAK OR EQUIVALENT	Cisco OR EQUIVALENT	C2921-CME-SRST/K9 OR EQUIVALENT	1		
Four-port Voice Interface Card – FXO (Universal) supports 2911 OR EQUIVALENT	Cisco OR EQUIVALENT	VIC2-4FXO= OR EQUIVALENT	1		
Four-Port Voice Interface Card – FXS and DID, supports 2911 OR EQUIVALENT	Cisco OR EQUIVALENT	VIC3-4FXS/DID= OR EQUIVALENT	1		
Communication Manager Express or SRST – 25 seat license OR EQUIVALENT	Cisco OR EQUIVALENT	FL-CME-SRST-25 OR EQUIVALENT	2		
Communication Manager Express or SRST – 5 seat license OR EQUIVALENT	Cisco OR EQUIVALENT	FL-CME-SRST-5 OR EQUIVALENT	1		
802.11a/g/n Fixed Unified AP; Int Ant; A Reg Domain OR EQUIVALENT	Cisco OR EQUIVALENT	AIR-LAP1142N-A-K9 OR EQUIVALENT	97		
802.11a/g/n Ctrlr-based AP; Ext Ant; A Reg Domain OR EQUIVALENT	Cisco OR EQUIVALENT	AIR-LAP1262N-A-K9 OR EQUIVALENT	1		
2.4 GHz 6.0 Bi Patch Wall Mount Antenna w/RP-TNC OR EQUIVALENT	Cisco OR EQUIVALENT	AIR-ANT2460P-R OR EQUIVALENT	1		
				Sub-total	
				Shipping Charges	
				Sales Tax 7.25%	
				Grand Total	

E-Rate 2012 First Ward ES

Electronics Description	Manufacturer	P/N	Estimated Quantity	Unit Cost	Extended Cost
Catalyst 2960S 48 GigE PoE 740W, 4 x SFP LAN Base OR EQUIVALENT	Cisco OR EQUIVALENT	WS-C2960S-48FPS-L OR EQUIVALENT	10		
Catalyst 2960S FlexStack Stack Module optional for LAN Base OR EQUIVALENT	Cisco OR EQUIVALENT	C2960S-STACK OR EQUIVALENT	9		
Cisco FlexStack 50cm stacking cable OR EQUIVALENT	Cisco OR EQUIVALENT	CAB-STK-E-0.5M OR EQUIVALENT	9		
GE SFP, LC connector SX transceiver OR EQUIVALENT	Cisco OR EQUIVALENT	GLC-SX-MM= OR EQUIVALENT	5		
Crossover CAT 6 7' RJ45 OR EQUIVALENT	Belkin OR EQUIVALENT	A3X189-07-YLW-5 OR EQUIVALENT	1		
ST-LC 62.5 micron 3M patch cable OR EQUIVALENT	Belkin OR EQUIVALENT	L5553MM6J7R003M OR EQUIVALENT	6		
Cat 6 5' patch cables - TEAL OR EQUIVALENT	Panduit OR EQUIVALENT	UTPSP5(TL)Y OR EQUIVALENT	196		
Cat 6 3' patch cables - YELLOW OR EQUIVALENT	Panduit OR EQUIVALENT	UTPSP3(YL)Y OR EQUIVALENT	73		
Cat 6 7' patch cables - YELLOW OR EQUIVALENT	Panduit OR EQUIVALENT	UTPSP7(YL)Y OR EQUIVALENT	73		
Tripp Lite 1500 On-Line Rack UPS OR EQUIVALENT	Tripp Lite OR EQUIVALENT	SU1500RTXL2UA OR EQUIVALENT	3		
Tripp Lite 3000 On-Line Rack UPS OR EQUIVALENT	Tripp Lite OR EQUIVALENT	SU3000RTXL2U OR EQUIVALENT	3		
Tripp Lite 2200VA On-Line Rack UPS OR EQUIVALENT	Tripp Lite OR EQUIVALENT	SU2200RTXL2Ua OR EQUIVALENT	1		
Tripp Lite UPS Battery Pack (SU2200RTXL2Ua) OR EQUIVALENT	Tripp Lite OR EQUIVALENT	BP48V24-2U OR EQUIVALENT	1		
2911 Voice Bundle w/PVDM3-16,FL-CME-SRST-25, UC License PAK OR EQUIVALENT	Cisco OR EQUIVALENT	C2911-CME-SRST/K9 OR EQUIVALENT	1		
Four-port Voice Interface Card – FXO (Universal) supports 2911 OR EQUIVALENT	Cisco OR EQUIVALENT	VIC2-4FXO= OR EQUIVALENT	1		
Four-Port Voice Interface Card – FXS and DID, supports 2911 OR EQUIVALENT	Cisco OR EQUIVALENT	VIC3-4FXS/DID= OR EQUIVALENT	1		
Communication Manager Express or SRST – 25 seat license OR EQUIVALENT	Cisco OR EQUIVALENT	FL-CME-SRST-25 OR EQUIVALENT	1		
802.11a/g/n Fixed Unified AP; Int Ant; A Reg Domain OR EQUIVALENT	Cisco OR EQUIVALENT	AIR-LAP1142N-A-K9 OR EQUIVALENT	71		
802.11a/g/n Ctrlr-based AP; Ext Ant; A Reg Domain OR EQUIVALENT	Cisco OR EQUIVALENT	AIR-LAP1262N-A-K9 OR EQUIVALENT	2		
2.4 GHz 6.0 Bi Patch Wall Mount Antenna w/RP-TNC OR EQUIVALENT	Cisco OR EQUIVALENT	AIR-ANT2460P-R OR EQUIVALENT	2		
				Sub-total	
				Shipping Charges	
				Sales Tax 7.25%	
				Grand Total	

E-Rate 2012 Hidden Valley ES

Electronics Description	Manufacturer	P/N	Estimated Quantity	Unit Cost	Extended Cost
Catalyst 2960S 48 GigE PoE 740W, 4 x SFP LAN Base OR EQUIVALENT	Cisco OR EQUIVALENT	WS-C2960S-48FPS-L OR EQUIVALENT	11		
Catalyst 2960S FlexStack Stack Module optional for LAN Base OR EQUIVALENT	Cisco OR EQUIVALENT	C2960S-STACK OR EQUIVALENT	10		
Cisco FlexStack 50cm stacking cable OR EQUIVALENT	Cisco OR EQUIVALENT	CAB-STK-E-0.5M OR EQUIVALENT	10		
Crossover CAT 6 7' RJ45 OR EQUIVALENT	Belkin OR EQUIVALENT	A3X189-07-YLW-5 OR EQUIVALENT	1		
ST-LC 62.5 micron 3M patch cable OR EQUIVALENT	Belkin OR EQUIVALENT	L5553MM6J7R003M OR EQUIVALENT	4		
LC-LC 50 micron 3M patch cable OR EQUIVALENT	Belkin OR EQUIVALENT	L3434MM5I2R003M OR EQUIVALENT	1		
Cat 6 5' patch cables - TEAL OR EQUIVALENT	Panduit OR EQUIVALENT	UTPSP5(TL)Y OR EQUIVALENT	162		
Cat 6 3' patch cables - YELLOW OR EQUIVALENT	Panduit OR EQUIVALENT	UTPSP3(YL)Y OR EQUIVALENT	71		
Cat 6 7' patch cables - YELLOW OR EQUIVALENT	Panduit OR EQUIVALENT	UTPSP7(YL)Y OR EQUIVALENT	71		
Tripp Lite 1500 On-Line Rack UPS OR EQUIVALENT	Tripp Lite OR EQUIVALENT	SU1500RTXL2UA OR EQUIVALENT	3		
Tripp Lite 3000 On-Line Rack UPS OR EQUIVALENT	Tripp Lite OR EQUIVALENT	SU3000RTXL2U OR EQUIVALENT	4		
Tripp Lite UPS Battery Pack (SU3000RTXL2U) OR EQUIVALENT	Tripp Lite OR EQUIVALENT	BP72V15-2U OR EQUIVALENT	1		
2911 Voice Bundle w/PVDM3-16,FL-CME-SRST-25, UC License PAK OR EQUIVALENT	Cisco OR EQUIVALENT	C2911-CME-SRST/K9 OR EQUIVALENT	1		
Four-port Voice Interface Card – FXO (Universal) supports 2911 OR EQUIVALENT	Cisco OR EQUIVALENT	VIC2-4FXO= OR EQUIVALENT	1		
Four-Port Voice Interface Card – FXS and DID, supports 2911 OR EQUIVALENT	Cisco OR EQUIVALENT	VIC3-4FXS/DID= OR EQUIVALENT	1		
Communication Manager Express or SRST – 5 seat license OR EQUIVALENT	Cisco OR EQUIVALENT	FL-CME-SRST-5 OR EQUIVALENT	4		
802.11a/g/n Fixed Unified AP; Int Ant; A Reg Domain OR EQUIVALENT	Cisco OR EQUIVALENT	AIR-LAP1142N-A-K9 OR EQUIVALENT	70		
802.11a/g/n Ctrlr-based AP; Ext Ant; A Reg Domain OR EQUIVALENT	Cisco OR EQUIVALENT	AIR-LAP1262N-A-K9 OR EQUIVALENT	1		
2.4 GHz 6.0 Bi Patch Wall Mount Antenna w/RP-TNC OR EQUIVALENT	Cisco OR EQUIVALENT	AIR-ANT2460P-R OR EQUIVALENT	1		
				Sub-total	
				Shipping Charges	
				Sales Tax 7.25%	
				Grand Total	

E-Rate 2012 Highland Renaissance ES

Electronics Description	Manufacturer	P/N	Estimated Quantity	Unit Cost	Extended Cost
Catalyst 2960S 48 GigE PoE 740W, 4 x SFP LAN Base OR EQUIVALENT	Cisco OR EQUIVALENT	WS-C2960S-48FPS-L OR EQUIVALENT	13		
Catalyst 2960S FlexStack Stack Module optional for LAN Base OR EQUIVALENT	Cisco OR EQUIVALENT	C2960S-STACK OR EQUIVALENT	13		
Cisco FlexStack 50cm stacking cable OR EQUIVALENT	Cisco OR EQUIVALENT	CAB-STK-E-0.5M OR EQUIVALENT	13		
GE SFP, LC connector SX transceiver OR EQUIVALENT	Cisco OR EQUIVALENT	GLC-SX-MM= OR EQUIVALENT	1		
ST-LC 62.5 micron 3M patch cable OR EQUIVALENT	Belkin OR EQUIVALENT	L5553MM6J7R003M OR EQUIVALENT	6		
LC-LC 50 micron 3M patch cable OR EQUIVALENT	Belkin OR EQUIVALENT	L3434MM5I2R003M OR EQUIVALENT	1		
Cat 6 5' patch cables - TEAL OR EQUIVALENT	Panduit OR EQUIVALENT	UTPSP5(TL)Y OR EQUIVALENT	146		
Cat 6 3' patch cables - YELLOW OR EQUIVALENT	Panduit OR EQUIVALENT	UTPSP3(YL)Y OR EQUIVALENT	66		
Cat 6 7' patch cables - YELLOW OR EQUIVALENT	Panduit OR EQUIVALENT	UTPSP7(YL)Y OR EQUIVALENT	66		
Tripp Lite 1500 On-Line Rack UPS OR EQUIVALENT	Tripp Lite OR EQUIVALENT	SU1500RTXL2UA OR EQUIVALENT	3		
Tripp Lite 3000 On-Line Rack UPS OR EQUIVALENT	Tripp Lite OR EQUIVALENT	SU3000RTXL2U OR EQUIVALENT	5		
Tripp Lite UPS Battery Pack (SU3000RTXL2U) OR EQUIVALENT	Tripp Lite OR EQUIVALENT	BP72V15-2U OR EQUIVALENT	1		
2911 Voice Bundle w/PVDM3-16,FL-CME-SRST-25, UC License PAK OR EQUIVALENT	Cisco OR EQUIVALENT	C2911-CME-SRST/K9 OR EQUIVALENT	1		
Four-port Voice Interface Card – FXO (Universal) supports 2911 OR EQUIVALENT	Cisco OR EQUIVALENT	VIC2-4FXO= OR EQUIVALENT	1		
Four-Port Voice Interface Card – FXS and DID, supports 2911 OR EQUIVALENT	Cisco OR EQUIVALENT	VIC3-4FXS/DID= OR EQUIVALENT	1		
Communication Manager Express or SRST – 25 seat license OR EQUIVALENT	Cisco OR EQUIVALENT	FL-CME-SRST-25 OR EQUIVALENT	1		
802.11a/g/n Fixed Unified AP; Int Ant; A Reg Domain OR EQUIVALENT	Cisco OR EQUIVALENT	AIR-LAP1142N-A-K9 OR EQUIVALENT	65		
802.11a/g/n Ctrlr-based AP; Ext Ant; A Reg Domain OR EQUIVALENT	Cisco OR EQUIVALENT	AIR-LAP1262N-A-K9 OR EQUIVALENT	1		
2.4 GHz 6.0 Bi Patch Wall Mount Antenna w/RP-TNC OR EQUIVALENT	Cisco OR EQUIVALENT	AIR-ANT2460P-R OR EQUIVALENT	1		
				Sub-total	
				Shipping Charges	
				Sales Tax 7.25%	
				Grand Total	

E-Rate 2012 Merry Oaks

Electronics Description	Manufacturer	P/N	Estimated Quantity	Unit Cost	Extended Cost
Catalyst 2960S 48 GigE PoE 740W, 4 x SFP LAN Base OR EQUIVALENT	Cisco OR EQUIVALENT	WS-C2960S-48FPS-L OR EQUIVALENT	12		
Catalyst 2960S FlexStack Stack Module optional for LAN Base OR EQUIVALENT	Cisco OR EQUIVALENT	C2960S-STACK OR EQUIVALENT	9		
Cisco FlexStack 50cm stacking cable OR EQUIVALENT	Cisco OR EQUIVALENT	CAB-STK-E-0.5M OR EQUIVALENT	9		
GE SFP, LC connector SX transceiver OR EQUIVALENT	Cisco OR EQUIVALENT	GLC-SX-MM= OR EQUIVALENT	3		
ST-LC 62.5 micron 3M patch cable OR EQUIVALENT	Belkin OR EQUIVALENT	L5553MM6J7R003M OR EQUIVALENT	10		
LC-LC 50 micron 3M patch cable OR EQUIVALENT	Belkin OR EQUIVALENT	L3434MM512R003M OR EQUIVALENT	1		
Cat 6 5' patch cables - TEAL OR EQUIVALENT	Panduit OR EQUIVALENT	UTPSP5(TL)Y OR EQUIVALENT	182		
Cat 6 3' patch cables - YELLOW OR EQUIVALENT	Panduit OR EQUIVALENT	UTPSP3(YL)Y OR EQUIVALENT	72		
Cat 6 7' patch cables - YELLOW OR EQUIVALENT	Panduit OR EQUIVALENT	UTPSP7(YL)Y OR EQUIVALENT	72		
Tripp Lite 1500 On-Line Rack UPS OR EQUIVALENT	Tripp Lite OR EQUIVALENT	SU1500RTXL2UA OR EQUIVALENT	5		
Tripp Lite 3000 On-Line Rack UPS OR EQUIVALENT	Tripp Lite OR EQUIVALENT	SU3000RTXL2U OR EQUIVALENT	3		
Tripp Lite 2200VA On-Line Rack UPS OR EQUIVALENT	Tripp Lite OR EQUIVALENT	SU2200RTXL2Ua OR EQUIVALENT	1		
Tripp Lite UPS Battery Pack (SU2200RTXL2Ua) OR EQUIVALENT	Tripp Lite OR EQUIVALENT	BP48V24-2U OR EQUIVALENT	1		
2921 Voice bundle w/PVDM3-32,FL-CME-SRST-25, UC License PAK OR EQUIVALENT	Cisco OR EQUIVALENT	C2921-CME- SRST/K9 OR EQUIVALENT	1		
Four-port Voice Interface Card – FXO (Universal) supports 2911 OR EQUIVALENT	Cisco OR EQUIVALENT	VIC2-4FXO= OR EQUIVALENT	1		
Four-Port Voice Interface Card – FXS and DID, supports 2911 OR EQUIVALENT	Cisco OR EQUIVALENT	VIC3-4FXS/DID= OR EQUIVALENT	1		
Communication Manager Express or SRST – 25 seat license OR EQUIVALENT	Cisco OR EQUIVALENT	FL-CME-SRST-25 OR EQUIVALENT	1		
Communication Manager Express or SRST – 5 seat license OR EQUIVALENT	Cisco OR EQUIVALENT	FL-CME-SRST-5 OR EQUIVALENT	3		
802.11a/g/n Fixed Unified AP; Int Ant; A Reg Domain OR EQUIVALENT	Cisco OR EQUIVALENT	AIR-LAP1142N-A-K9 OR EQUIVALENT	71		
802.11a/g/n Ctrlr-based AP; Ext Ant; A Reg Domain OR EQUIVALENT	Cisco OR EQUIVALENT	AIR-LAP1262N-A-K9 OR EQUIVALENT	1		
2.4 GHz 6.0 Bi Patch Wall Mount Antenna w/RP- TNC OR EQUIVALENT	Cisco OR EQUIVALENT	AIR-ANT2460P-R OR EQUIVALENT	1		
				Sub-total	
				Shipping Charges	
				Sales Tax 7.25%	
				Grand Total	

E-Rate 2012 Martin Luther King, Jr. MS

Electronics Description	Manufacturer	P/N	Estimated Quantity	Unit Cost	Extended Cost
Catalyst 2960S 48 GigE PoE 740W, 4 x SFP LAN Base OR EQUIVALENT	Cisco OR EQUIVALENT	WS-C2960S-48FPS-L OR EQUIVALENT	21		
Catalyst 2960S FlexStack Stack Module optional for LAN Base OR EQUIVALENT	Cisco OR EQUIVALENT	C2960S-STACK OR EQUIVALENT	20		
Cisco FlexStack 50cm stacking cable OR EQUIVALENT	Cisco OR EQUIVALENT	CAB-STK-E-0.5M OR EQUIVALENT	20		
ST-LC 62.5 micron 3M patch cable OR EQUIVALENT	Belkin OR EQUIVALENT	L5553MM6J7R003M OR EQUIVALENT	12		
LC-LC 50 micron 3M patch cable OR EQUIVALENT	Belkin OR EQUIVALENT	L3434MM5I2R003M OR EQUIVALENT	1		
Cat 6 5' patch cables - TEAL OR EQUIVALENT	Panduit OR EQUIVALENT	UTPSP5(TL)Y OR EQUIVALENT	374		
Cat 6 3' patch cables - YELLOW OR EQUIVALENT	Panduit OR EQUIVALENT	UTPSP3(YL)Y OR EQUIVALENT	107		
Cat 6 5' patch cables - YELLOW OR EQUIVALENT	Panduit OR EQUIVALENT	UTPSP5(YL)Y OR EQUIVALENT	107		
Tripp Lite 1500 On-Line Rack UPS OR EQUIVALENT	Tripp Lite OR EQUIVALENT	SU1500RTXL2UA OR EQUIVALENT	3		
Tripp Lite 3000 On-Line Rack UPS OR EQUIVALENT	Tripp Lite OR EQUIVALENT	SU3000RTXL2U OR EQUIVALENT	9		
Tripp Lite UPS Battery Pack (SU3000RTXL2U) OR EQUIVALENT	Tripp Lite OR EQUIVALENT	BP72V15-2U OR EQUIVALENT	1		
2921 Voice bundle w/PVDM3-32,FL-CME-SRST-25, UC License PAK OR EQUIVALENT	Cisco OR EQUIVALENT	C2921-CME-SRST/K9 OR EQUIVALENT	1		
Four-port Voice Interface Card – FXO (Universal) supports 2911 OR EQUIVALENT	Cisco OR EQUIVALENT	VIC2-4FXO= OR EQUIVALENT	1		
Four-Port Voice Interface Card – FXS and DID, supports 2911 OR EQUIVALENT	Cisco OR EQUIVALENT	VIC3-4FXS/DID= OR EQUIVALENT	1		
Communication Manager Express or SRST – 25 seat license OR EQUIVALENT	Cisco OR EQUIVALENT	FL-CME-SRST-25 OR EQUIVALENT	1		
Communication Manager Express or SRST – 5 seat license OR EQUIVALENT	Cisco OR EQUIVALENT	FL-CME-SRST-5 OR EQUIVALENT	4		
802.11a/g/n Fixed Unified AP; Int Ant; A Reg Domain OR EQUIVALENT	Cisco OR EQUIVALENT	AIR-LAP1142N-A-K9 OR EQUIVALENT	105		
802.11a/g/n Ctrlr-based AP; Ext Ant; A Reg Domain OR EQUIVALENT	Cisco OR EQUIVALENT	AIR-LAP1262N-A-K9 OR EQUIVALENT	2		
2.4 GHz 6.0 Bi Patch Wall Mount Antenna w/RP-TNC OR EQUIVALENT	Cisco OR EQUIVALENT	AIR-ANT2460P-R OR EQUIVALENT	2		
				Sub-total	
				Shipping Charges	
				Sales Tax 7.25%	
				Grand Total	

E-Rate 2012 Montclair ES

Electronics Description	Manufacturer	P/N	Estimated Quantity	Unit Cost	Extended Cost
Catalyst 2960S 48 GigE PoE 740W, 4 x SFP LAN Base OR EQUIVALENT	Cisco OR EQUIVALENT	WS-C2960S-48FPS-L OR EQUIVALENT	6		
Catalyst 2960S FlexStack Stack Module optional for LAN Base OR EQUIVALENT	Cisco OR EQUIVALENT	C2960S-STACK OR EQUIVALENT	5		
Cisco FlexStack 50cm stacking cable OR EQUIVALENT	Cisco OR EQUIVALENT	CAB-STK-E-0.5M OR EQUIVALENT	5		
GE SFP, LC connector SX transceiver OR EQUIVALENT	Cisco OR EQUIVALENT	GLC-SX-MM= OR EQUIVALENT	1		
Crossover CAT 6 7' RJ45 OR EQUIVALENT	Belkin OR EQUIVALENT	A3X189-07-YLW-5 OR EQUIVALENT	1		
ST-LC 62.5 micron 3M patch cable OR EQUIVALENT	Belkin OR EQUIVALENT	L5553MM6J7R003M OR EQUIVALENT	4		
Cat 6 5' patch cables - TEAL OR EQUIVALENT	Panduit OR EQUIVALENT	UTPSP5(TL)Y OR EQUIVALENT	168		
Cat 6 3' patch cables - YELLOW OR EQUIVALENT	Panduit OR EQUIVALENT	UTPSP3(YL)Y OR EQUIVALENT	44		
Cat 6 7' patch cables - YELLOW OR EQUIVALENT	Panduit OR EQUIVALENT	UTPSP7(YL)Y OR EQUIVALENT	44		
Tripp Lite 1500 On-Line Rack UPS OR EQUIVALENT	Tripp Lite OR EQUIVALENT	SU1500RTXL2UA OR EQUIVALENT	1		
Tripp Lite 3000 On-Line Rack UPS OR EQUIVALENT	Tripp Lite OR EQUIVALENT	SU3000RTXL2U OR EQUIVALENT	2		
Tripp Lite 2200VA On-Line Rack UPS OR EQUIVALENT	Tripp Lite OR EQUIVALENT	SU2200RTXL2Ua OR EQUIVALENT	1		
Tripp Lite UPS Battery Pack (SU2200RTXL2Ua) OR EQUIVALENT	Tripp Lite OR EQUIVALENT	BP48V24-2U OR EQUIVALENT	1		
2911 Voice Bundle w/PVDM3-16,FL-CME-SRST-25, UC License PAK OR EQUIVALENT	Cisco OR EQUIVALENT	C2911-CME-SRST/K9 OR EQUIVALENT	1		
Four-port Voice Interface Card – FXO (Universal) supports 2911 OR EQUIVALENT	Cisco OR EQUIVALENT	VIC2-4FXO= OR EQUIVALENT	1		
Four-Port Voice Interface Card – FXS and DID, supports 2911 OR EQUIVALENT	Cisco OR EQUIVALENT	VIC3-4FXS/DID= OR EQUIVALENT	1		
802.11a/g/n Fixed Unified AP; Int Ant; A Reg Domain OR EQUIVALENT	Cisco OR EQUIVALENT	AIR-LAP1142N-A-K9 OR EQUIVALENT	43		
802.11a/g/n Ctrlr-based AP; Ext Ant; A Reg Domain OR EQUIVALENT	Cisco OR EQUIVALENT	AIR-LAP1262N-A-K9 OR EQUIVALENT	1		
2.4 GHz 6.0 Bi Patch Wall Mount Antenna w/RP-TNC OR EQUIVALENT	Cisco OR EQUIVALENT	AIR-ANT2460P-R OR EQUIVALENT	1		
				Sub-total	
				Shipping Charges	
				Sales Tax 7.25%	
				Grand Total	

E-Rate 2012 Nations Ford ES

Electronics Description	Manufacturer	P/N	Estimated Quantity	Unit Cost	Extended Cost
Catalyst 2960S 48 GigE PoE 740W, 4 x SFP LAN Base OR EQUIVALENT	Cisco OR EQUIVALENT	WS-C2960S-48FPS-L OR EQUIVALENT	7		
Catalyst 2960S FlexStack Stack Module optional for LAN Base OR EQUIVALENT	Cisco OR EQUIVALENT	C2960S-STACK OR EQUIVALENT	6		
Cisco FlexStack 50cm stacking cable OR EQUIVALENT	Cisco OR EQUIVALENT	CAB-STK-E-0.5M OR EQUIVALENT	6		
GE SFP, LC connector SX transceiver OR EQUIVALENT	Cisco OR EQUIVALENT	GLC-SX-MM= OR EQUIVALENT	1		
ST-LC 62.5 micron 3M patch cable OR EQUIVALENT	Belkin OR EQUIVALENT	L5553MM6J7R003M OR EQUIVALENT	4		
LC-LC 50 micron 3M patch cable OR EQUIVALENT	Belkin OR EQUIVALENT	L3434MM5I2R003M OR EQUIVALENT	1		
Cat 6 5' patch cables - TEAL OR EQUIVALENT	Panduit OR EQUIVALENT	UTPSP5(TL)Y OR EQUIVALENT	186		
Cat 6 3' patch cables - YELLOW OR EQUIVALENT	Panduit OR EQUIVALENT	UTPSP3(YL)Y OR EQUIVALENT	54		
Cat 6 7' patch cables - YELLOW OR EQUIVALENT	Panduit OR EQUIVALENT	UTPSP7(YL)Y OR EQUIVALENT	54		
Tripp Lite 1500 On-Line Rack UPS OR EQUIVALENT	Tripp Lite OR EQUIVALENT	SU1500RTXL2UA OR EQUIVALENT	1		
Tripp Lite 3000 On-Line Rack UPS OR EQUIVALENT	Tripp Lite OR EQUIVALENT	SU3000RTXL2U OR EQUIVALENT	3		
Tripp Lite UPS Battery Pack (SU3000RTXL2U) OR EQUIVALENT	Tripp Lite OR EQUIVALENT	BP72V15-2U OR EQUIVALENT	1		
2911 Voice Bundle w/PVDM3-16,FL-CME-SRST-25, UC License PAK OR EQUIVALENT	Cisco OR EQUIVALENT	C2911-CME-SRST/K9 OR EQUIVALENT	1		
Four-port Voice Interface Card – FXO (Universal) supports 2911 OR EQUIVALENT	Cisco OR EQUIVALENT	VIC2-4FXO= OR EQUIVALENT	1		
Four-Port Voice Interface Card – FXS and DID, supports 2911 OR EQUIVALENT	Cisco OR EQUIVALENT	VIC3-4FXS/DID= OR EQUIVALENT	1		
802.11a/g/n Fixed Unified AP; Int Ant; A Reg Domain OR EQUIVALENT	Cisco OR EQUIVALENT	AIR-LAP1142N-A-K9 OR EQUIVALENT	53		
802.11a/g/n Ctrlr-based AP; Ext Ant; A Reg Domain OR EQUIVALENT	Cisco OR EQUIVALENT	AIR-LAP1262N-A-K9 OR EQUIVALENT	1		
2.4 GHz 6.0 Bi Patch Wall Mount Antenna w/RP-TNC OR EQUIVALENT	Cisco OR EQUIVALENT	AIR-ANT2460P-R OR EQUIVALENT	1		
				Sub-total	
				Shipping Charges	
				Sales Tax 7.25%	
				Grand Total	

E-Rate 2012 Oakdale

Electronics Description	Manufacturer	P/N	Estimated Quantity	Unit Cost	Extended Cost
Catalyst 2960S 48 GigE PoE 740W, 4 x SFP LAN Base OR EQUIVALENT	Cisco OR EQUIVALENT	WS-C2960S-48FPS-L OR EQUIVALENT	12		
Catalyst 2960S FlexStack Stack Module optional for LAN Base OR EQUIVALENT	Cisco OR EQUIVALENT	C2960S-STACK OR EQUIVALENT	12		
Cisco FlexStack 50cm stacking cable OR EQUIVALENT	Cisco OR EQUIVALENT	CAB-STK-E-0.5M OR EQUIVALENT	12		
GE SFP, LC connector SX transceiver OR EQUIVALENT	Cisco OR EQUIVALENT	GLC-SX-MM= OR EQUIVALENT	1		
ST-LC 62.5 micron 3M patch cable OR EQUIVALENT	Belkin OR EQUIVALENT	L5553MM6J7R003M OR EQUIVALENT	6		
LC-LC 50 micron 3M patch cable OR EQUIVALENT	Belkin OR EQUIVALENT	L3434MM5I2R003M OR EQUIVALENT	1		
Cat 6 5' patch cables - TEAL OR EQUIVALENT	Panduit OR EQUIVALENT	UTPSP5(TL)Y OR EQUIVALENT	178		
Cat 6 3' patch cables - YELLOW OR EQUIVALENT	Panduit OR EQUIVALENT	UTPSP3(YL)Y OR EQUIVALENT	75		
Cat 6 7' patch cables - YELLOW OR EQUIVALENT	Panduit OR EQUIVALENT	UTPSP7(YL)Y OR EQUIVALENT	75		
Tripp Lite 1500 On-Line Rack UPS OR EQUIVALENT	Tripp Lite OR EQUIVALENT	SU1500RTXL2UA OR EQUIVALENT	4		
Tripp Lite 3000 On-Line Rack UPS OR EQUIVALENT	Tripp Lite OR EQUIVALENT	SU3000RTXL2U OR EQUIVALENT	4		
Tripp Lite UPS Battery Pack (SU3000RTXL2U) OR EQUIVALENT	Tripp Lite OR EQUIVALENT	BP72V15-2U OR EQUIVALENT	1		
2921 Voice bundle w/PVDM3-32,FL-CME-SRST-25, UC License PAK OR EQUIVALENT	Cisco OR EQUIVALENT	C2921-CME- SRST/K9 OR EQUIVALENT	1		
Four-port Voice Interface Card – FXO (Universal) supports 2911 OR EQUIVALENT	Cisco OR EQUIVALENT	VIC2-4FXO= OR EQUIVALENT	1		
Four-Port Voice Interface Card – FXS and DID, supports 2911 OR EQUIVALENT	Cisco OR EQUIVALENT	VIC3-4FXS/DID= OR EQUIVALENT	1		
Communication Manager Express or SRST – 25 seat license OR EQUIVALENT	Cisco OR EQUIVALENT	FL-CME-SRST-25 OR EQUIVALENT	1		
Communication Manager Express or SRST – 5 seat license OR EQUIVALENT	Cisco OR EQUIVALENT	FL-CME-SRST-5 OR EQUIVALENT	2		
802.11a/g/n Fixed Unified AP; Int Ant; A Reg Domain OR EQUIVALENT	Cisco OR EQUIVALENT	AIR-LAP1142N-A-K9 OR EQUIVALENT	74		
802.11a/g/n Ctrlr-based AP; Ext Ant; A Reg Domain OR EQUIVALENT	Cisco OR EQUIVALENT	AIR-LAP1262N-A-K9 OR EQUIVALENT	1		
2.4 GHz 6.0 Bi Patch Wall Mount Antenna w/RP-TNC OR EQUIVALENT	Cisco OR EQUIVALENT	AIR-ANT2460P-R OR EQUIVALENT	1		
				Sub-total	
				Shipping Charges	
				Sales Tax 7.25%	
				Grand Total	

E-Rate 2012 Pinewood ES

Electronics Description	Manufacturer	P/N	Estimated Quantity	Unit Cost	Extended Cost
Catalyst 2960S 48 GigE PoE 740W, 4 x SFP LAN Base OR EQUIVALENT	Cisco OR EQUIVALENT	WS-C2960S-48FPS-L OR EQUIVALENT	12		
Catalyst 2960S FlexStack Stack Module optional for LAN Base OR EQUIVALENT	Cisco OR EQUIVALENT	C2960S-STACK OR EQUIVALENT	12		
Cisco FlexStack 50cm stacking cable OR EQUIVALENT	Cisco OR EQUIVALENT	CAB-STK-E-0.5M OR EQUIVALENT	12		
ST-LC 62.5 micron 3M patch cable OR EQUIVALENT	Belkin OR EQUIVALENT	L5553MM6J7R003M OR EQUIVALENT	6		
LC-LC 50 micron 3M patch cable OR EQUIVALENT	Belkin OR EQUIVALENT	L3434MM5I2R003M OR EQUIVALENT	1		
Cat 6 5' patch cables - TEAL OR EQUIVALENT	Panduit OR EQUIVALENT	UTPSP5(TL)Y OR EQUIVALENT	166		
Cat 6 3' patch cables - YELLOW OR EQUIVALENT	Panduit OR EQUIVALENT	UTPSP3(YL)Y OR EQUIVALENT	66		
Cat 6 7' patch cables - YELLOW OR EQUIVALENT	Panduit OR EQUIVALENT	UTPSP7(YL)Y OR EQUIVALENT	66		
Tripp Lite 1500 On-Line Rack UPS OR EQUIVALENT	Tripp Lite OR EQUIVALENT	SU1500RTXL2UA OR EQUIVALENT	2		
Tripp Lite 3000 On-Line Rack UPS OR EQUIVALENT	Tripp Lite OR EQUIVALENT	SU3000RTXL2U OR EQUIVALENT	5		
Tripp Lite UPS Battery Pack (SU3000RTXL2U) OR EQUIVALENT	Tripp Lite OR EQUIVALENT	BP72V15-2U OR EQUIVALENT	1		
2921 Voice bundle w/PVDM3-32,FL-CME-SRST-25, UC License PAK OR EQUIVALENT	Cisco OR EQUIVALENT	C2921-CME-SRST/K9 OR EQUIVALENT	1		
Four-port Voice Interface Card – FXO (Universal) supports 2911 OR EQUIVALENT	Cisco OR EQUIVALENT	VIC2-4FXO= OR EQUIVALENT	1		
Four-Port Voice Interface Card – FXS and DID, supports 2911 OR EQUIVALENT	Cisco OR EQUIVALENT	VIC3-4FXS/DID= OR EQUIVALENT	1		
Communication Manager Express or SRST – 25 seat license OR EQUIVALENT	Cisco OR EQUIVALENT	FL-CME-SRST-25 OR EQUIVALENT	1		
Communication Manager Express or SRST – 5 seat license OR EQUIVALENT	Cisco OR EQUIVALENT	FL-CME-SRST-5 OR EQUIVALENT	2		
802.11a/g/n Fixed Unified AP; Int Ant; A Reg Domain OR EQUIVALENT	Cisco OR EQUIVALENT	AIR-LAP1142N-A-K9 OR EQUIVALENT	65		
802.11a/g/n Ctrlr-based AP; Ext Ant; A Reg Domain OR EQUIVALENT	Cisco OR EQUIVALENT	AIR-LAP1262N-A-K9 OR EQUIVALENT	1		
2.4 GHz 6.0 Bi Patch Wall Mount Antenna w/RP-TNC OR EQUIVALENT	Cisco OR EQUIVALENT	AIR-ANT2460P-R OR EQUIVALENT	1		
				Sub-total	
				Shipping Charges	
				Sales Tax 7.25%	
				Grand Total	

E-Rate 2012 Reid Park ES

Electronics Description	Manufacturer	P/N	Estimated Quantity	Unit Cost	Extended Cost
Catalyst 2960S 48 GigE PoE 740W, 4 x SFP LAN Base OR EQUIVALENT	Cisco OR EQUIVALENT	WS-C2960S-48FPS-L OR EQUIVALENT	11		
Catalyst 2960S FlexStack Stack Module optional for LAN Base OR EQUIVALENT	Cisco OR EQUIVALENT	C2960S-STACK OR EQUIVALENT	11		
Cisco FlexStack 50cm stacking cable OR EQUIVALENT	Cisco OR EQUIVALENT	CAB-STK-E-0.5M OR EQUIVALENT	11		
Crossover CAT 6 7' RJ45 OR EQUIVALENT	Belkin OR EQUIVALENT	A3X189-07-YLW-5 OR EQUIVALENT	1		
ST-LC 62.5 micron 3M patch cable OR EQUIVALENT	Belkin OR EQUIVALENT	L5553MM6J7R003M OR EQUIVALENT	6		
LC-LC 50 micron 3M patch cable OR EQUIVALENT	Belkin OR EQUIVALENT	L3434MM5I2R003M OR EQUIVALENT	1		
Cat 6 5' patch cables - TEAL OR EQUIVALENT	Panduit OR EQUIVALENT	UTPSP5(TL)Y OR EQUIVALENT	206		
Cat 6 3' patch cables - YELLOW OR EQUIVALENT	Panduit OR EQUIVALENT	UTPSP3(YL)Y OR EQUIVALENT	65		
Cat 6 7' patch cables - YELLOW OR EQUIVALENT	Panduit OR EQUIVALENT	UTPSP7(YL)Y OR EQUIVALENT	65		
Tripp Lite 1500 On-Line Rack UPS OR EQUIVALENT	Tripp Lite OR EQUIVALENT	SU1500RTXL2UA OR EQUIVALENT	1		
Tripp Lite 3000 On-Line Rack UPS OR EQUIVALENT	Tripp Lite OR EQUIVALENT	SU3000RTXL2U OR EQUIVALENT	5		
Tripp Lite UPS Battery Pack (SU3000RTXL2U) OR EQUIVALENT	Tripp Lite OR EQUIVALENT	BP72V15-2U OR EQUIVALENT	1		
2911 Voice Bundle w/PVDM3-16,FL-CME-SRST-25, UC License PAK OR EQUIVALENT	Cisco OR EQUIVALENT	C2911-CME-SRST/K9 OR EQUIVALENT	1		
Four-port Voice Interface Card – FXO (Universal) supports 2911 OR EQUIVALENT	Cisco OR EQUIVALENT	VIC2-4FXO= OR EQUIVALENT	1		
Four-Port Voice Interface Card – FXS and DID, supports 2911 OR EQUIVALENT	Cisco OR EQUIVALENT	VIC3-4FXS/DID= OR EQUIVALENT	1		
Communication Manager Express or SRST – 5 seat license OR EQUIVALENT	Cisco OR EQUIVALENT	FL-CME-SRST-5 OR EQUIVALENT	4		
802.11a/g/n Fixed Unified AP; Int Ant; A Reg Domain OR EQUIVALENT	Cisco OR EQUIVALENT	AIR-LAP1142N-A-K9 OR EQUIVALENT	64		
802.11a/g/n Ctrlr-based AP; Ext Ant; A Reg Domain OR EQUIVALENT	Cisco OR EQUIVALENT	AIR-LAP1262N-A-K9 OR EQUIVALENT	1		
2.4 GHz 6.0 Bi Patch Wall Mount Antenna w/RP-TNC OR EQUIVALENT	Cisco OR EQUIVALENT	AIR-ANT2460P-R OR EQUIVALENT	1		
				Sub-total	
				Shipping Charges	
				Sales Tax 7.25%	
				Grand Total	

E-Rate 2012 Sedgefield ES

Electronics Description	Manufacturer	P/N	Estimated Quantity	Unit Cost	Extended Cost
Catalyst 2960S 48 GigE PoE 740W, 4 x SFP LAN Base OR EQUIVALENT	Cisco OR EQUIVALENT	WS-C2960S-48FPS-L OR EQUIVALENT	9		
Catalyst 2960S FlexStack Stack Module optional for LAN Base OR EQUIVALENT	Cisco OR EQUIVALENT	C2960S-STACK OR EQUIVALENT	8		
Cisco FlexStack 50cm stacking cable OR EQUIVALENT	Cisco OR EQUIVALENT	CAB-STK-E-0.5M OR EQUIVALENT	8		
Crossover CAT 6 7' RJ45 OR EQUIVALENT	Belkin OR EQUIVALENT	A3X189-07-YLW-5 OR EQUIVALENT	1		
ST-LC 62.5 micron 3M patch cable OR EQUIVALENT	Belkin OR EQUIVALENT	L5553MM6J7R003M OR EQUIVALENT	4		
Cat 6 5' patch cables - TEAL OR EQUIVALENT	Panduit OR EQUIVALENT	UTPSP5(TL)Y OR EQUIVALENT	197		
Cat 6 3' patch cables - YELLOW OR EQUIVALENT	Panduit OR EQUIVALENT	UTPSP3(YL)Y OR EQUIVALENT	67		
Cat 6 7' patch cables - YELLOW OR EQUIVALENT	Panduit OR EQUIVALENT	UTPSP7(YL)Y OR EQUIVALENT	67		
Tripp Lite 1500 On-Line Rack UPS OR EQUIVALENT	Tripp Lite OR EQUIVALENT	SU1500RTXL2UA OR EQUIVALENT	1		
Tripp Lite 3000 On-Line Rack UPS OR EQUIVALENT	Tripp Lite OR EQUIVALENT	SU3000RTXL2U OR EQUIVALENT	4		
Tripp Lite 2200VA On-Line Rack UPS OR EQUIVALENT	Tripp Lite OR EQUIVALENT	SU2200RTXL2Ua OR EQUIVALENT	1		
Tripp Lite UPS Battery Pack (SU2200RTXL2Ua) OR EQUIVALENT	Tripp Lite OR EQUIVALENT	BP48V24-2U OR EQUIVALENT	1		
2921 Voice bundle w/PVDM3-32,FL-CME-SRST-25, UC License PAK OR EQUIVALENT	Cisco OR EQUIVALENT	C2921-CME-SRST/K9 OR EQUIVALENT	1		
Four-port Voice Interface Card – FXO (Universal) supports 2911 OR EQUIVALENT	Cisco OR EQUIVALENT	VIC2-4FXO= OR EQUIVALENT	1		
Four-Port Voice Interface Card – FXS and DID, supports 2911 OR EQUIVALENT	Cisco OR EQUIVALENT	VIC3-4FXS/DID= OR EQUIVALENT	1		
Communication Manager Express or SRST – 25 seat license OR EQUIVALENT	Cisco OR EQUIVALENT	FL-CME-SRST-25 OR EQUIVALENT	1		
Communication Manager Express or SRST – 5 seat license OR EQUIVALENT	Cisco OR EQUIVALENT	FL-CME-SRST-5 OR EQUIVALENT	2		
802.11a/g/n Fixed Unified AP; Int Ant; A Reg Domain OR EQUIVALENT	Cisco OR EQUIVALENT	AIR-LAP1142N-A-K9 OR EQUIVALENT	66		
802.11a/g/n Ctrlr-based AP; Ext Ant; A Reg Domain OR EQUIVALENT	Cisco OR EQUIVALENT	AIR-LAP1262N-A-K9 OR EQUIVALENT	1		
2.4 GHz 6.0 Bi Patch Wall Mount Antenna w/RP-TNC OR EQUIVALENT	Cisco OR EQUIVALENT	AIR-ANT2460P-R OR EQUIVALENT	1		
				Sub-total	
				Shipping Charges	
				Sales Tax 7.25%	
				Grand Total	

E-Rate 2012 Sedgefield MS

Electronics Description	Manufacturer	P/N	Estimated Quantity	Unit Cost	Extended Cost
Catalyst 2960S 48 GigE PoE 740W, 4 x SFP LAN Base OR EQUIVALENT	Cisco OR EQUIVALENT	WS-C2960S-48FPS-L OR EQUIVALENT	20		
Catalyst 2960S FlexStack Stack Module optional for LAN Base OR EQUIVALENT	Cisco OR EQUIVALENT	C2960S-STACK OR EQUIVALENT	16		
Cisco FlexStack 50cm stacking cable OR EQUIVALENT	Cisco OR EQUIVALENT	CAB-STK-E-0.5M OR EQUIVALENT	16		
GE SFP, LC connector SX transceiver OR EQUIVALENT	Cisco OR EQUIVALENT	GLC-SX-MM= OR EQUIVALENT	7		
Crossover CAT 6 7' RJ45 OR EQUIVALENT	Belkin OR EQUIVALENT	A3X189-07-YLW-5 OR EQUIVALENT	1		
ST-LC 62.5 micron 3M patch cable OR EQUIVALENT	Belkin OR EQUIVALENT	L5553MM6J7R003M OR EQUIVALENT	14		
LC-LC 50 micron 3M patch cable OR EQUIVALENT	Belkin OR EQUIVALENT	L3434MM5I2R003M OR EQUIVALENT	1		
Cat 6 5' patch cables - TEAL OR EQUIVALENT	Panduit OR EQUIVALENT	UTPSP5(TL)Y OR EQUIVALENT	315		
Cat 6 3' patch cables - YELLOW OR EQUIVALENT	Panduit OR EQUIVALENT	UTPSP3(YL)Y OR EQUIVALENT	84		
Cat 6 7' patch cables - YELLOW OR EQUIVALENT	Panduit OR EQUIVALENT	UTPSP7(YL)Y OR EQUIVALENT	84		
Tripp Lite 1500 On-Line Rack UPS OR EQUIVALENT	Tripp Lite OR EQUIVALENT	SU1500RTXL2UA OR EQUIVALENT	6		
Tripp Lite 3000 On-Line Rack UPS OR EQUIVALENT	Tripp Lite OR EQUIVALENT	SU3000RTXL2U OR EQUIVALENT	7		
Tripp Lite UPS Battery Pack (SU3000RTXL2U) OR EQUIVALENT	Tripp Lite OR EQUIVALENT	BP72V15-2U OR EQUIVALENT	1		
2911 Voice Bundle w/PVDM3-16,FL-CME-SRST-25, UC License PAK OR EQUIVALENT	Cisco OR EQUIVALENT	C2911-CME-SRST/K9 OR EQUIVALENT	1		
Four-port Voice Interface Card – FXO (Universal) supports 2911 OR EQUIVALENT	Cisco OR EQUIVALENT	VIC2-4FXO= OR EQUIVALENT	1		
Four-Port Voice Interface Card – FXS and DID, supports 2911 OR EQUIVALENT	Cisco OR EQUIVALENT	VIC3-4FXS/DID= OR EQUIVALENT	1		
Communication Manager Express or SRST – 5 seat license OR EQUIVALENT	Cisco OR EQUIVALENT	FL-CME-SRST-5 OR EQUIVALENT	4		
802.11a/g/n Fixed Unified AP; Int Ant; A Reg Domain OR EQUIVALENT	Cisco OR EQUIVALENT	AIR-LAP1142N-A-K9 OR EQUIVALENT	81		
802.11a/g/n Ctrlr-based AP; Ext Ant; A Reg Domain OR EQUIVALENT	Cisco OR EQUIVALENT	AIR-LAP1262N-A-K9 OR EQUIVALENT	3		
2.4 GHz 6.0 Bi Patch Wall Mount Antenna w/RP-TNC OR EQUIVALENT	Cisco OR EQUIVALENT	AIR-ANT2460P-R OR EQUIVALENT	3		
				Sub-total	
				Shipping Charges	
				Sales Tax 7.25%	
				Grand Total	

E-Rate 2012 Shamrock Gardens

Electronics Description	Manufacturer	P/N	Estimated Quantity	Unit Cost	Extended Cost
Catalyst 2960S 48 GigE PoE 740W, 4 x SFP LAN Base OR EQUIVALENT	Cisco OR EQUIVALENT	WS-C2960S-48FPS-L OR EQUIVALENT	9		
Catalyst 2960S FlexStack Stack Module optional for LAN Base OR EQUIVALENT	Cisco OR EQUIVALENT	C2960S-STACK OR EQUIVALENT	6		
Cisco FlexStack 50cm stacking cable OR EQUIVALENT	Cisco OR EQUIVALENT	CAB-STK-E-0.5M OR EQUIVALENT	6		
GE SFP, LC connector SX transceiver OR EQUIVALENT	Cisco OR EQUIVALENT	GLC-SX-MM= OR EQUIVALENT	3		
ST-LC 62.5 micron 3M patch cable OR EQUIVALENT	Belkin OR EQUIVALENT	L5553MM6J7R003M OR EQUIVALENT	10		
LC-LC 50 micron 3M patch cable OR EQUIVALENT	Belkin OR EQUIVALENT	L3434MM5I2R003M OR EQUIVALENT	1		
Cat 6 5' patch cables - TEAL OR EQUIVALENT	Panduit OR EQUIVALENT	UTPSP5(TL)Y OR EQUIVALENT	162		
Cat 6 3' patch cables - YELLOW OR EQUIVALENT	Panduit OR EQUIVALENT	UTPSP3(YL)Y OR EQUIVALENT	51		
Cat 6 7' patch cables - YELLOW OR EQUIVALENT	Panduit OR EQUIVALENT	UTPSP7(YL)Y OR EQUIVALENT	51		
Tripp Lite 1500 On-Line Rack UPS OR EQUIVALENT	Tripp Lite OR EQUIVALENT	SU1500RTXL2UA OR EQUIVALENT	2		
Tripp Lite 3000 On-Line Rack UPS OR EQUIVALENT	Tripp Lite OR EQUIVALENT	SU3000RTXL2U OR EQUIVALENT	3		
Tripp Lite 2200VA On-Line Rack UPS OR EQUIVALENT	Tripp Lite OR EQUIVALENT	SU2200RTXL2Ua OR EQUIVALENT	1		
Tripp Lite UPS Battery Pack (SU2200RTXL2Ua) OR EQUIVALENT	Tripp Lite OR EQUIVALENT	BP48V24-2U OR EQUIVALENT	1		
2911 Voice Bundle w/PVDM3-16,FL-CME-SRST-25, UC License PAK OR EQUIVALENT	Cisco OR EQUIVALENT	C2911-CME-SRST/K9 OR EQUIVALENT	1		
Four-port Voice Interface Card – FXO (Universal) supports 2911 OR EQUIVALENT	Cisco OR EQUIVALENT	VIC2-4FXO= OR EQUIVALENT	1		
Four-Port Voice Interface Card – FXS and DID, supports 2911 OR EQUIVALENT	Cisco OR EQUIVALENT	VIC3-4FXS/DID= OR EQUIVALENT	1		
Communication Manager Express or SRST – 5 seat license OR EQUIVALENT	Cisco OR EQUIVALENT	FL-CME-SRST-5 OR EQUIVALENT	1		
802.11a/g/n Fixed Unified AP; Int Ant; A Reg Domain OR EQUIVALENT	Cisco OR EQUIVALENT	AIR-LAP1142N-A-K9 OR EQUIVALENT	49		
802.11a/g/n Ctrlr-based AP; Ext Ant; A Reg Domain OR EQUIVALENT	Cisco OR EQUIVALENT	AIR-LAP1262N-A-K9 OR EQUIVALENT	2		
2.4 GHz 6.0 Bi Patch Wall Mount Antenna w/RP-TNC OR EQUIVALENT	Cisco OR EQUIVALENT	AIR-ANT2460P-R OR EQUIVALENT	2		
				Sub-total	
				Shipping Charges	
				Sales Tax 7.25%	
				Grand Total	

E-Rate 2012 Statesville Road ES

Electronics Description	Manufacturer	P/N	Estimated Quantity	Unit Cost	Extended Cost
Catalyst 2960S 48 GigE PoE 740W, 4 x SFP LAN Base OR EQUIVALENT	Cisco OR EQUIVALENT	WS-C2960S-48FPS-L OR EQUIVALENT	10		
Catalyst 2960S FlexStack Stack Module optional for LAN Base OR EQUIVALENT	Cisco OR EQUIVALENT	C2960S-STACK OR EQUIVALENT	9		
Cisco FlexStack 50cm stacking cable OR EQUIVALENT	Cisco OR EQUIVALENT	CAB-STK-E-0.5M OR EQUIVALENT	9		
GE SFP, LC connector SX transceiver OR EQUIVALENT	Cisco OR EQUIVALENT	GLC-SX-MM= OR EQUIVALENT	7		
ST-LC 62.5 micron 3M patch cable OR EQUIVALENT	Belkin OR EQUIVALENT	L5553MM6J7R003M OR EQUIVALENT	8		
LC-LC 50 micron 3M patch cable OR EQUIVALENT	Belkin OR EQUIVALENT	L3434MM5I2R003M OR EQUIVALENT	1		
Cat 6 5' patch cables - TEAL OR EQUIVALENT	Panduit OR EQUIVALENT	UTPSP5(TL)Y OR EQUIVALENT	132		
Cat 6 3' patch cables - YELLOW OR EQUIVALENT	Panduit OR EQUIVALENT	UTPSP3(YL)Y OR EQUIVALENT	51		
Cat 6 7' patch cables - YELLOW OR EQUIVALENT	Panduit OR EQUIVALENT	UTPSP7(YL)Y OR EQUIVALENT	51		
Tripp Lite 1500 On-Line Rack UPS OR EQUIVALENT	Tripp Lite OR EQUIVALENT	SU1500RTXL2UA OR EQUIVALENT	2		
Tripp Lite 3000 On-Line Rack UPS OR EQUIVALENT	Tripp Lite OR EQUIVALENT	SU3000RTXL2U OR EQUIVALENT	4		
Tripp Lite UPS Battery Pack (SU3000RTXL2U) OR EQUIVALENT	Tripp Lite OR EQUIVALENT	BP72V15-2U OR EQUIVALENT	1		
2911 Voice Bundle w/PVDM3-16,FL-CME-SRST-25, UC License PAK OR EQUIVALENT	Cisco OR EQUIVALENT	C2911-CME-SRST/K9 OR EQUIVALENT	1		
Four-port Voice Interface Card – FXO (Universal) supports 2911 OR EQUIVALENT	Cisco OR EQUIVALENT	VIC2-4FXO= OR EQUIVALENT	1		
Four-Port Voice Interface Card – FXS and DID, supports 2911 OR EQUIVALENT	Cisco OR EQUIVALENT	VIC3-4FXS/DID= OR EQUIVALENT	1		
Communication Manager Express or SRST – 5 seat license OR EQUIVALENT	Cisco OR EQUIVALENT	FL-CME-SRST-5 OR EQUIVALENT	1		
802.11a/g/n Fixed Unified AP; Int Ant; A Reg Domain OR EQUIVALENT	Cisco OR EQUIVALENT	AIR-LAP1142N-A-K9 OR EQUIVALENT	50		
802.11a/g/n Ctrlr-based AP; Ext Ant; A Reg Domain OR EQUIVALENT	Cisco OR EQUIVALENT	AIR-LAP1262N-A-K9 OR EQUIVALENT	1		
2.4 GHz 6.0 Bi Patch Wall Mount Antenna w/RP-TNC OR EQUIVALENT	Cisco OR EQUIVALENT	AIR-ANT2460P-R OR EQUIVALENT	1		
				Sub-total	
				Shipping Charges	
				Sales Tax 7.25%	
				Grand Total	

E-Rate 2012 Sterling ES

Electronics Description	Manufacturer	P/N	Estimated Quantity	Unit Cost	Extended Cost
Catalyst 2960S 48 GigE PoE 740W, 4 x SFP LAN Base OR EQUIVALENT	Cisco OR EQUIVALENT	WS-C2960S-48FPS-L OR EQUIVALENT	12		
Catalyst 2960S FlexStack Stack Module optional for LAN Base OR EQUIVALENT	Cisco OR EQUIVALENT	C2960S-STACK OR EQUIVALENT	10		
Cisco FlexStack 50cm stacking cable OR EQUIVALENT	Cisco OR EQUIVALENT	CAB-STK-E-0.5M OR EQUIVALENT	10		
Crossover CAT 6 7' RJ45 OR EQUIVALENT	Belkin OR EQUIVALENT	A3X189-07-YLW-5 OR EQUIVALENT	2		
ST-LC 62.5 micron 3M patch cable OR EQUIVALENT	Belkin OR EQUIVALENT	L5553MM6J7R003M OR EQUIVALENT	4		
LC-LC 50 micron 3M patch cable OR EQUIVALENT	Belkin OR EQUIVALENT	L3434MM5I2R003M OR EQUIVALENT	1		
Cat 6 5' patch cables - TEAL OR EQUIVALENT	Panduit OR EQUIVALENT	UTPSP5(TL)Y OR EQUIVALENT	208		
Cat 6 3' patch cables - YELLOW OR EQUIVALENT	Panduit OR EQUIVALENT	UTPSP3(YL)Y OR EQUIVALENT	56		
Cat 6 7' patch cables - YELLOW OR EQUIVALENT	Panduit OR EQUIVALENT	UTPSP7(YL)Y OR EQUIVALENT	56		
Tripp Lite 1500 On-Line Rack UPS OR EQUIVALENT	Tripp Lite OR EQUIVALENT	SU1500RTXL2UA OR EQUIVALENT	2		
Tripp Lite 3000 On-Line Rack UPS OR EQUIVALENT	Tripp Lite OR EQUIVALENT	SU3000RTXL2U OR EQUIVALENT	5		
Tripp Lite UPS Battery Pack (SU3000RTXL2U) OR EQUIVALENT	Tripp Lite OR EQUIVALENT	BP72V15-2U OR EQUIVALENT	1		
2921 Voice bundle w/PVDM3-32,FL-CME-SRST-25, UC License PAK OR EQUIVALENT	Cisco OR EQUIVALENT	C2921-CME-SRST/K9 OR EQUIVALENT	1		
Four-port Voice Interface Card – FXO (Universal) supports 2911 OR EQUIVALENT	Cisco OR EQUIVALENT	VIC2-4FXO= OR EQUIVALENT	1		
Four-Port Voice Interface Card – FXS and DID, supports 2911 OR EQUIVALENT	Cisco OR EQUIVALENT	VIC3-4FXS/DID= OR EQUIVALENT	1		
Communication Manager Express or SRST – 25 seat license OR EQUIVALENT	Cisco OR EQUIVALENT	FL-CME-SRST-25 OR EQUIVALENT	1		
Communication Manager Express or SRST – 5 seat license OR EQUIVALENT	Cisco OR EQUIVALENT	FL-CME-SRST-5 OR EQUIVALENT	3		
802.11a/g/n Fixed Unified AP; Int Ant; A Reg Domain OR EQUIVALENT	Cisco OR EQUIVALENT	AIR-LAP1142N-A-K9 OR EQUIVALENT	55		
802.11a/g/n Ctrlr-based AP; Ext Ant; A Reg Domain OR EQUIVALENT	Cisco OR EQUIVALENT	AIR-LAP1262N-A-K9 OR EQUIVALENT	1		
2.4 GHz 6.0 Bi Patch Wall Mount Antenna w/RP-TNC OR EQUIVALENT	Cisco OR EQUIVALENT	AIR-ANT2460P-R OR EQUIVALENT	1		
				Sub-total	
				Shipping Charges	
				Sales Tax 7.25%	
				Grand Total	

E-Rate 2012 Thomasboro ES

Electronics Description	Manufacturer	P/N	Estimated Quantity	Unit Cost	Extended Cost
Catalyst 2960S 48 GigE PoE 740W, 4 x SFP LAN Base OR EQUIVALENT	Cisco OR EQUIVALENT	WS-C2960S-48FPS-L OR EQUIVALENT	12		
Catalyst 2960S FlexStack Stack Module optional for LAN Base OR EQUIVALENT	Cisco OR EQUIVALENT	C2960S-STACK OR EQUIVALENT	11		
Cisco FlexStack 50cm stacking cable OR EQUIVALENT	Cisco OR EQUIVALENT	CAB-STK-E-0.5M OR EQUIVALENT	11		
ST-LC 62.5 micron 3M patch cable OR EQUIVALENT	Belkin OR EQUIVALENT	L5553MM6J7R003M OR EQUIVALENT	8		
LC-LC 50 micron 3M patch cable OR EQUIVALENT	Belkin OR EQUIVALENT	L3434MM5I2R003M OR EQUIVALENT	1		
Cat 6 5' patch cables - TEAL OR EQUIVALENT	Panduit OR EQUIVALENT	UTPSP5(TL)Y OR EQUIVALENT	141		
Cat 6 3' patch cables - YELLOW OR EQUIVALENT	Panduit OR EQUIVALENT	UTPSP3(YL)Y OR EQUIVALENT	61		
Cat 6 7' patch cables - YELLOW OR EQUIVALENT	Panduit OR EQUIVALENT	UTPSP7(YL)Y OR EQUIVALENT	61		
Tripp Lite 1500 On-Line Rack UPS OR EQUIVALENT	Tripp Lite OR EQUIVALENT	SU1500RTXL2UA OR EQUIVALENT	2		
Tripp Lite 3000 On-Line Rack UPS OR EQUIVALENT	Tripp Lite OR EQUIVALENT	SU3000RTXL2U OR EQUIVALENT	5		
Tripp Lite UPS Battery Pack (SU3000RTXL2U) OR EQUIVALENT	Tripp Lite OR EQUIVALENT	BP72V15-2U OR EQUIVALENT	1		
2911 Voice Bundle w/PVDM3-16,FL-CME-SRST-25, UC License PAK OR EQUIVALENT	Cisco OR EQUIVALENT	C2911-CME-SRST/K9 OR EQUIVALENT	1		
Four-port Voice Interface Card – FXO (Universal) supports 2911 OR EQUIVALENT	Cisco OR EQUIVALENT	VIC2-4FXO= OR EQUIVALENT	1		
Four-Port Voice Interface Card – FXS and DID, supports 2911 OR EQUIVALENT	Cisco OR EQUIVALENT	VIC3-4FXS/DID= OR EQUIVALENT	1		
Communication Manager Express or SRST – 25 seat license OR EQUIVALENT	Cisco OR EQUIVALENT	FL-CME-SRST-25 OR EQUIVALENT	1		
802.11a/g/n Fixed Unified AP; Int Ant; A Reg Domain OR EQUIVALENT	Cisco OR EQUIVALENT	AIR-LAP1142N-A-K9 OR EQUIVALENT	59		
802.11a/g/n Ctrlr-based AP; Ext Ant; A Reg Domain OR EQUIVALENT	Cisco OR EQUIVALENT	AIR-LAP1262N-A-K9 OR EQUIVALENT	2		
2.4 GHz 6.0 Bi Patch Wall Mount Antenna w/RP-TNC OR EQUIVALENT	Cisco OR EQUIVALENT	AIR-ANT2460P-R OR EQUIVALENT	2		
				Sub-total	
				Shipping Charges	
				Sales Tax 7.25%	
				Grand Total	

E-Rate 2012 Walter G Byers

Electronics Description	Manufacturer	P/N	Estimated Quantity	Unit Cost	Extended Cost
Catalyst 2960S 48 GigE PoE 740W, 4 x SFP LAN Base OR EQUIVALENT	Cisco OR EQUIVALENT	WS-C2960S-48FPS-L OR EQUIVALENT	12		
Catalyst 2960S FlexStack Stack Module optional for LAN Base OR EQUIVALENT	Cisco OR EQUIVALENT	C2960S-STACK OR EQUIVALENT	12		
Cisco FlexStack 50cm stacking cable OR EQUIVALENT	Cisco OR EQUIVALENT	CAB-STK-E-0.5M OR EQUIVALENT	12		
GE SFP, LC connector SX transceiver OR EQUIVALENT	Cisco OR EQUIVALENT	GLC-SX-MM= OR EQUIVALENT	3		
Crossover CAT 6 7' RJ45 OR EQUIVALENT	Belkin OR EQUIVALENT	A3X189-07-YLW-5 OR EQUIVALENT	1		
ST-LC 62.5 micron 3M patch cable OR EQUIVALENT	Belkin OR EQUIVALENT	L5553MM6J7R003M OR EQUIVALENT	6		
Cat 6 5' patch cables - TEAL OR EQUIVALENT	Panduit OR EQUIVALENT	UTPSP5(TL)Y OR EQUIVALENT	165		
Cat 6 3' patch cables - YELLOW OR EQUIVALENT	Panduit OR EQUIVALENT	UTPSP3(YL)Y OR EQUIVALENT	70		
Cat 6 7' patch cables - YELLOW OR EQUIVALENT	Panduit OR EQUIVALENT	UTPSP7(YL)Y OR EQUIVALENT	70		
Tripp Lite 3000 On-Line Rack UPS OR EQUIVALENT	Tripp Lite OR EQUIVALENT	SU3000RTXL2U OR EQUIVALENT	6		
Tripp Lite UPS Battery Pack (SU3000RTXL2U) OR EQUIVALENT	Tripp Lite OR EQUIVALENT	BP72V15-2U OR EQUIVALENT	1		
2911 Voice Bundle w/PVDM3-16,FL-CME-SRST-25, UC License PAK OR EQUIVALENT	Cisco OR EQUIVALENT	C2911-CME-SRST/K9 OR EQUIVALENT	1		
Four-port Voice Interface Card – FXO (Universal) supports 2911 OR EQUIVALENT	Cisco OR EQUIVALENT	VIC2-4FXO= OR EQUIVALENT	1		
Four-Port Voice Interface Card – FXS and DID, supports 2911 OR EQUIVALENT	Cisco OR EQUIVALENT	VIC3-4FXS/DID= OR EQUIVALENT	1		
Communication Manager Express or SRST – 25 seat license OR EQUIVALENT	Cisco OR EQUIVALENT	FL-CME-SRST-25 OR EQUIVALENT	1		
802.11a/g/n Fixed Unified AP; Int Ant; A Reg Domain OR EQUIVALENT	Cisco OR EQUIVALENT	AIR-LAP1142N-A-K9 OR EQUIVALENT	69		
802.11a/g/n Ctrlr-based AP; Ext Ant; A Reg Domain OR EQUIVALENT	Cisco OR EQUIVALENT	AIR-LAP1262N-A-K9 OR EQUIVALENT	1		
2.4 GHz 6.0 Bi Patch Wall Mount Antenna w/RP-TNC OR EQUIVALENT	Cisco OR EQUIVALENT	AIR-ANT2460P-R OR EQUIVALENT	1		
				Sub-total	
				Shipping Charges	
				Sales Tax 7.25%	
				Grand Total	

E-Rate 2012 West Charlotte HS

Electronics Description	Manufacturer	P/N	Estimated Quantity	Unit Cost	Extended Cost
4506-E Chassis, two WS-X4648-RJ45V+E, Sup7L-E, LAN Base OR EQUIVALENT	Cisco OR EQUIVALENT	WS-C4506E-S7L+96V+ OR EQUIVALENT	1		
Catalyst 2960S 48 GigE PoE 740W, 4 x SFP LAN Base OR EQUIVALENT	Cisco OR EQUIVALENT	WS-C2960S-48FPS-L OR EQUIVALENT	34		
Catalyst 4500 4200W AC dual input Power Supply (Data + PoE) OR EQUIVALENT	Cisco OR EQUIVALENT	PWR-C45-4200ACV/2 OR EQUIVALENT	1		
NEMA 5-15 to IEC-C19 13ft US OR EQUIVALENT	Cisco OR EQUIVALENT	CAB-US515P-C19-US OR EQUIVALENT	2		
Catalyst 4500 2GB SD Memory Card for Sup7-E OR EQUIVALENT	Cisco OR EQUIVALENT	SD-X45-2GB-E OR EQUIVALENT	1		
Catalyst 4500 E-Series 48-Port PoE+ Ready 10/100/1000(RJ45) OR EQUIVALENT	Cisco OR EQUIVALENT	WS-X4648-RJ45V+E OR EQUIVALENT	1		
Catalyst 4500 E-Series 24-Port GE (SFP) OR EQUIVALENT	Cisco OR EQUIVALENT	WS-X4624-SFP-E OR EQUIVALENT	1		
Lan Base to Enterprise Services OR EQUIVALENT	Cisco OR EQUIVALENT	L-C4500E-LB-ES OR EQUIVALENT	1		
Catalyst 2960S FlexStack Stack Module optional for LAN Base OR EQUIVALENT	Cisco OR EQUIVALENT	C2960S-STACK OR EQUIVALENT	28		
Cisco FlexStack 50cm stacking cable OR EQUIVALENT	Cisco OR EQUIVALENT	CAB-STK-E-0.5M OR EQUIVALENT	28		
GE SFP, LC connector SX transceiver OR EQUIVALENT	Cisco OR EQUIVALENT	GLC-SX-MM= OR EQUIVALENT	27		
Crossover CAT 6 7' RJ45 OR EQUIVALENT	Belkin OR EQUIVALENT	A3X189-07-YLW-5 OR EQUIVALENT	2		
ST-LC 62.5 micron 3M patch cable OR EQUIVALENT	Belkin OR EQUIVALENT	L5553MM6J7R003M OR EQUIVALENT	26		
LC-LC 50 micron 3M patch cable OR EQUIVALENT	Belkin OR EQUIVALENT	L3434MM5I2R003M OR EQUIVALENT	1		
Cat 6 5' patch cables - TEAL OR EQUIVALENT	Panduit OR EQUIVALENT	UTPSP5(TL)Y OR EQUIVALENT	743		
Cat 6 3' patch cables - YELLOW OR EQUIVALENT	Panduit OR EQUIVALENT	UTPSP3(YL)Y OR EQUIVALENT	156		
Cat 6 7' patch cables - YELLOW OR EQUIVALENT	Panduit OR EQUIVALENT	UTPSP7(YL)Y OR EQUIVALENT	156		
Tripp Lite 1500 On-Line Rack UPS OR EQUIVALENT	Tripp Lite OR EQUIVALENT	SU1500RTXL2UA OR EQUIVALENT	10		
Tripp Lite 3000 On-Line Rack UPS OR EQUIVALENT	Tripp Lite OR EQUIVALENT	SU3000RTXL2U OR EQUIVALENT	14		
Tripp Lite UPS Battery Pack (SU3000RTXL2U) OR EQUIVALENT	Tripp Lite OR EQUIVALENT	BP72V15-2U OR EQUIVALENT	2		
2921 Voice bundle w/PVDM3-32,FL-CME-SRST-25, UC License PAK OR EQUIVALENT	Cisco OR EQUIVALENT	C2921-CME-SRST/K9 OR EQUIVALENT	1		
Four-port Voice Interface Card – FXO (Universal) supports 2911 OR EQUIVALENT	Cisco OR EQUIVALENT	VIC2-4FXO= OR EQUIVALENT	1		
Four-Port Voice Interface Card – FXS and DID, supports 2911 OR EQUIVALENT	Cisco OR EQUIVALENT	VIC3-4FXS/DID= OR EQUIVALENT	1		
Communication Manager Express or SRST – 25 seat license OR EQUIVALENT	Cisco OR EQUIVALENT	FL-CME-SRST-25 OR EQUIVALENT	2		

Communication Manager Express or SRST – 5 seat license OR EQUIVALENT	Cisco OR EQUIVALENT	FL-CME-SRST-5 OR EQUIVALENT	1		
802.11a/g/n Fixed Unified AP; Int Ant; A Reg Domain OR EQUIVALENT	Cisco OR EQUIVALENT	AIR-LAP1142N-A-K9 OR EQUIVALENT	154		
802.11a/g/n Ctrlr-based AP; Ext Ant; A Reg Domain OR EQUIVALENT	Cisco OR EQUIVALENT	AIR-LAP1262N-A-K9 OR EQUIVALENT	2		
2.4 GHz 6.0 Bi Patch Wall Mount Antenna w/RP-TNC OR EQUIVALENT	Cisco OR EQUIVALENT	AIR-ANT2460P-R OR EQUIVALENT	2		
				Sub-total	
				Shipping Charges	
				Sales Tax 7.25%	
				Grand Total	

E-Rate 2012 Westerly Hills

Electronics Description	Manufacturer	P/N	Estimated Quantity	Unit Cost	Extended Cost
Catalyst 2960S 48 GigE PoE 740W, 4 x SFP LAN Base OR EQUIVALENT	Cisco OR EQUIVALENT	WS-C2960S-48FPS-L OR EQUIVALENT	10		
Catalyst 2960S FlexStack Stack Module optional for LAN Base OR EQUIVALENT	Cisco OR EQUIVALENT	C2960S-STACK OR EQUIVALENT	10		
Cisco FlexStack 50cm stacking cable OR EQUIVALENT	Cisco OR EQUIVALENT	CAB-STK-E-0.5M OR EQUIVALENT	10		
ST-LC 62.5 micron 3M patch cable OR EQUIVALENT	Belkin OR EQUIVALENT	L5553MM6J7R003M OR EQUIVALENT	6		
LC-LC 50 micron 3M patch cable OR EQUIVALENT	Belkin OR EQUIVALENT	L3434MM5I2R003M OR EQUIVALENT	1		
Cat 6 5' patch cables - TEAL OR EQUIVALENT	Panduit OR EQUIVALENT	UTPSP5(TL)Y OR EQUIVALENT	116		
Cat 6 3' patch cables - YELLOW OR EQUIVALENT	Panduit OR EQUIVALENT	UTPSP3(YL)Y OR EQUIVALENT	59		
Cat 6 7' patch cables - YELLOW OR EQUIVALENT	Panduit OR EQUIVALENT	UTPSP7(YL)Y OR EQUIVALENT	59		
Tripp Lite 1500 On-Line Rack UPS OR EQUIVALENT	Tripp Lite OR EQUIVALENT	SU1500RTXL2UA OR EQUIVALENT	2		
Tripp Lite 3000 On-Line Rack UPS OR EQUIVALENT	Tripp Lite OR EQUIVALENT	SU3000RTXL2U OR EQUIVALENT	4		
Tripp Lite UPS Battery Pack (SU3000RTXL2U) OR EQUIVALENT	Tripp Lite OR EQUIVALENT	BP72V15-2U OR EQUIVALENT	1		
2911 Voice Bundle w/PVDM3-16,FL-CME-SRST-25, UC License PAK OR EQUIVALENT	Cisco OR EQUIVALENT	C2911-CME-SRST/K9 OR EQUIVALENT	1		
Four-port Voice Interface Card – FXO (Universal) supports 2911 OR EQUIVALENT	Cisco OR EQUIVALENT	VIC2-4FXO= OR EQUIVALENT	1		
Four-Port Voice Interface Card – FXS and DID, supports 2911 OR EQUIVALENT	Cisco OR EQUIVALENT	VIC3-4FXS/DID= OR EQUIVALENT	1		
Communication Manager Express or SRST – 25 seat license OR EQUIVALENT	Cisco OR EQUIVALENT	FL-CME-SRST-25 OR EQUIVALENT	1		
802.11a/g/n Fixed Unified AP; Int Ant; A Reg Domain OR EQUIVALENT	Cisco OR EQUIVALENT	AIR-LAP1142N-A-K9 OR EQUIVALENT	58		
802.11a/g/n Ctrlr-based AP; Ext Ant; A Reg Domain OR EQUIVALENT	Cisco OR EQUIVALENT	AIR-LAP1262N-A-K9 OR EQUIVALENT	1		
2.4 GHz 6.0 Bi Patch Wall Mount Antenna w/RP-TNC OR EQUIVALENT	Cisco OR EQUIVALENT	AIR-ANT2460P-R OR EQUIVALENT	1		
				Sub-total	
				Shipping Charges	
				Sales Tax 7.25%	
				Grand Total	

E-Rate 2012 Winding Springs ES

Electronics Description	Manufacturer	P/N	Estimated Quantity	Unit Cost	Extended Cost
Catalyst 2960S 48 GigE PoE 740W, 4 x SFP LAN Base OR EQUIVALENT	Cisco OR EQUIVALENT	WS-C2960S-48FPS-L OR EQUIVALENT	7		
Catalyst 2960S FlexStack Stack Module optional for LAN Base OR EQUIVALENT	Cisco OR EQUIVALENT	C2960S-STACK OR EQUIVALENT	7		
Cisco FlexStack 50cm stacking cable OR EQUIVALENT	Cisco OR EQUIVALENT	CAB-STK-E-0.5M OR EQUIVALENT	7		
GE SFP, LC connector SX transceiver OR EQUIVALENT	Cisco OR EQUIVALENT	GLC-SX-MM= OR EQUIVALENT	1		
Crossover CAT 6 7' RJ45 OR EQUIVALENT	Belkin OR EQUIVALENT	A3X189-07-YLW-5 OR EQUIVALENT	1		
ST-LC 62.5 micron 3M patch cable OR EQUIVALENT	Belkin OR EQUIVALENT	L5553MM6J7R003M OR EQUIVALENT	2		
Cat 6 5' patch cables - TEAL OR EQUIVALENT	Panduit OR EQUIVALENT	UTPSP5(TL)Y OR EQUIVALENT	193		
Cat 6 3' patch cables - YELLOW OR EQUIVALENT	Panduit OR EQUIVALENT	UTPSP3(YL)Y OR EQUIVALENT	64		
Cat 6 7' patch cables - YELLOW OR EQUIVALENT	Panduit OR EQUIVALENT	UTPSP7(YL)Y OR EQUIVALENT	64		
Tripp Lite 3000 On-Line Rack UPS OR EQUIVALENT	Tripp Lite OR EQUIVALENT	SU3000RTXL2U OR EQUIVALENT	3		
Tripp Lite 2200VA On-Line Rack UPS OR EQUIVALENT	Tripp Lite OR EQUIVALENT	SU2200RTXL2Ua OR EQUIVALENT	1		
Tripp Lite UPS Battery Pack (SU2200RTXL2Ua) OR EQUIVALENT	Tripp Lite OR EQUIVALENT	BP48V24-2U OR EQUIVALENT	1		
2911 Voice Bundle w/PVDM3-16,FL-CME-SRST-25, UC License PAK OR EQUIVALENT	Cisco OR EQUIVALENT	C2911-CME-SRST/K9 OR EQUIVALENT	1		
Four-port Voice Interface Card – FXO (Universal) supports 2911 OR EQUIVALENT	Cisco OR EQUIVALENT	VIC2-4FXO= OR EQUIVALENT	1		
Four-Port Voice Interface Card – FXS and DID, supports 2911 OR EQUIVALENT	Cisco OR EQUIVALENT	VIC3-4FXS/DID= OR EQUIVALENT	1		
Communication Manager Express or SRST – 25 seat license OR EQUIVALENT	Cisco OR EQUIVALENT	FL-CME-SRST-25 OR EQUIVALENT	1		
802.11a/g/n Fixed Unified AP; Int Ant; A Reg Domain OR EQUIVALENT	Cisco OR EQUIVALENT	AIR-LAP1142N-A-K9 OR EQUIVALENT	64		
				Sub-total	
				Shipping Charges	
				Sales Tax 7.25%	
				Grand Total	

E-Rate 2012 Windsor Park ES

Electronics Description	Manufacturer	P/N	Estimated Quantity	Unit Cost	Extended Cost
Catalyst 2960S 48 GigE PoE 740W, 4 x SFP LAN Base OR EQUIVALENT	Cisco OR EQUIVALENT	WS-C2960S-48FPS-L OR EQUIVALENT	12		
Catalyst 2960S FlexStack Stack Module optional for LAN Base OR EQUIVALENT	Cisco OR EQUIVALENT	C2960S-STACK OR EQUIVALENT	12		
Cisco FlexStack 50cm stacking cable OR EQUIVALENT	Cisco OR EQUIVALENT	CAB-STK-E-0.5M OR EQUIVALENT	12		
ST-LC 62.5 micron 3M patch cable OR EQUIVALENT	Belkin OR EQUIVALENT	L5553MM6J7R003M OR EQUIVALENT	8		
LC-LC 50 micron 3M patch cable OR EQUIVALENT	Belkin OR EQUIVALENT	L3434MM5I2R003M OR EQUIVALENT	1		
Cat 6 5' patch cables - TEAL OR EQUIVALENT	Panduit OR EQUIVALENT	UTPSP5(TL)Y OR EQUIVALENT	181		
Cat 6 3' patch cables - YELLOW OR EQUIVALENT	Panduit OR EQUIVALENT	UTPSP3(YL)Y OR EQUIVALENT	68		
Cat 6 7' patch cables - YELLOW OR EQUIVALENT	Panduit OR EQUIVALENT	UTPSP7(YL)Y OR EQUIVALENT	68		
Tripp Lite 1500 On-Line Rack UPS OR EQUIVALENT	Tripp Lite OR EQUIVALENT	SU1500RTXL2UA OR EQUIVALENT	2		
Tripp Lite 3000 On-Line Rack UPS OR EQUIVALENT	Tripp Lite OR EQUIVALENT	SU3000RTXL2U OR EQUIVALENT	5		
Tripp Lite UPS Battery Pack (SU3000RTXL2U) OR EQUIVALENT	Tripp Lite OR EQUIVALENT	BP72V15-2U OR EQUIVALENT	1		
2921 Voice bundle w/PVDM3-32,FL-CME-SRST-25, UC License PAK OR EQUIVALENT	Cisco OR EQUIVALENT	C2921-CME-SRST/K9 OR EQUIVALENT	1		
Four-port Voice Interface Card – FXO (Universal) supports 2911 OR EQUIVALENT	Cisco OR EQUIVALENT	VIC2-4FXO= OR EQUIVALENT	1		
Four-Port Voice Interface Card – FXS and DID, supports 2911 OR EQUIVALENT	Cisco OR EQUIVALENT	VIC3-4FXS/DID= OR EQUIVALENT	1		
Communication Manager Express or SRST – 25 seat license OR EQUIVALENT	Cisco OR EQUIVALENT	FL-CME-SRST-25 OR EQUIVALENT	1		
Communication Manager Express or SRST – 5 seat license OR EQUIVALENT	Cisco OR EQUIVALENT	FL-CME-SRST-5 OR EQUIVALENT	3		
802.11a/g/n Fixed Unified AP; Int Ant; A Reg Domain OR EQUIVALENT	Cisco OR EQUIVALENT	AIR-LAP1142N-A-K9 OR EQUIVALENT	68		
				Sub-total	
				Shipping Charges	
				Sales Tax 7.25%	
				Grand Total	

E-Rate 2012 Winterfield ES

Electronics Description	Manufacturer	P/N	Estimated Quantity	Unit Cost	Extended Cost
Catalyst 2960S 48 GigE PoE 740W, 4 x SFP LAN Base OR EQUIVALENT	Cisco OR EQUIVALENT	WS-C2960S-48FPS-L OR EQUIVALENT	11		
Catalyst 2960S FlexStack Stack Module optional for LAN Base OR EQUIVALENT	Cisco OR EQUIVALENT	C2960S-STACK OR EQUIVALENT	10		
Cisco FlexStack 50cm stacking cable OR EQUIVALENT	Cisco OR EQUIVALENT	CAB-STK-E-0.5M OR EQUIVALENT	10		
GE SFP, LC connector SX transceiver OR EQUIVALENT	Cisco OR EQUIVALENT	GLC-SX-MM= OR EQUIVALENT	1		
Crossover CAT 6 7' RJ45 OR EQUIVALENT	Belkin OR EQUIVALENT	A3X189-07-YLW-5 OR EQUIVALENT	1		
ST-LC 62.5 micron 3M patch cable OR EQUIVALENT	Belkin OR EQUIVALENT	L5553MM6J7R003M OR EQUIVALENT	4		
LC-LC 50 micron 3M patch cable OR EQUIVALENT	Belkin OR EQUIVALENT	L3434MM5I2R003M OR EQUIVALENT	1		
Cat 6 5' patch cables - TEAL OR EQUIVALENT	Panduit OR EQUIVALENT	UTPSP5(TL)Y OR EQUIVALENT	134		
Cat 6 3' patch cables - YELLOW OR EQUIVALENT	Panduit OR EQUIVALENT	UTPSP3(YL)Y OR EQUIVALENT	67		
Cat 6 7' patch cables - YELLOW OR EQUIVALENT	Panduit OR EQUIVALENT	UTPSP7(YL)Y OR EQUIVALENT	67		
Tripp Lite 1500 On-Line Rack UPS OR EQUIVALENT	Tripp Lite OR EQUIVALENT	SU1500RTL2UA OR EQUIVALENT	1		
Tripp Lite 3000 On-Line Rack UPS OR EQUIVALENT	Tripp Lite OR EQUIVALENT	SU3000RTL2U OR EQUIVALENT	5		
Tripp Lite UPS Battery Pack (SU3000RTL2U) OR EQUIVALENT	Tripp Lite OR EQUIVALENT	BP72V15-2U OR EQUIVALENT	1		
2911 Voice Bundle w/PVDM3-16,FL-CME-SRST-25, UC License PAK OR EQUIVALENT	Cisco OR EQUIVALENT	C2911-CME-SRST/K9 OR EQUIVALENT	1		
Four-port Voice Interface Card – FXO (Universal) supports 2911 OR EQUIVALENT	Cisco OR EQUIVALENT	VIC2-4FXO= OR EQUIVALENT	1		
Four-Port Voice Interface Card – FXS and DID, supports 2911 OR EQUIVALENT	Cisco OR EQUIVALENT	VIC3-4FXS/DID= OR EQUIVALENT	1		
Communication Manager Express or SRST – 25 seat license OR EQUIVALENT	Cisco OR EQUIVALENT	FL-CME-SRST-25 OR EQUIVALENT	1		
802.11a/g/n Fixed Unified AP; Int Ant; A Reg Domain OR EQUIVALENT	Cisco OR EQUIVALENT	AIR-LAP1142N-A-K9 OR EQUIVALENT	66		
802.11a/g/n Ctrlr-based AP; Ext Ant; A Reg Domain OR EQUIVALENT	Cisco OR EQUIVALENT	AIR-LAP1262N-A-K9 OR EQUIVALENT	1		
2.4 GHz 6.0 Bi Patch Wall Mount Antenna w/RP-TNC OR EQUIVALENT	Cisco OR EQUIVALENT	AIR-ANT2460P-R OR EQUIVALENT	1		
				Sub-total	
				Shipping Charges	
				Sales Tax 7.25%	
				Grand Total	

E-Rate 2012 Wireless Controller

Electronics Description	Manufacturer	P/N	Estimated Quantity	Unit Cost	Extended Cost
GE SFP, LC connector SX transceiver OR EQUIVALENT	Cisco OR EQUIVALENT	GLC-SX-MM= OR EQUIVALENT	10		
5500 Series Wireless Controller for up to 500 access points OR EQUIVALENT	Cisco OR EQUIVALENT	AIR-CT5508-500- K9 OR EQUIVALENT	5		
				Sub-total	
				Shipping Charges	
				Sales Tax 7.25%	
				Grand Total	

Ineligible Items

Are any E-Rate ineligible services included in the proposed installation pricing? Yes _____ No _____

If so, list the ineligible items in the following chart, and include associated costs.

Ineligible E-Rate Items	Cost

> End of this submittal.

SERVICE and WARRANTY RESPONSE
(Submittal #5)

Provide the information requested below and submit with Proposal. If necessary, include additional information or documentation.

1. Offeror will handle warranty returns and replacement with supplier or manufacturer.

Yes/No _____ If no, describe in detail the procedure which must be followed.

2. Describe in detail the warranty replacement support your company will provide.

3. List the warranty periods for the equipment in this bid.

4. Provide additional information that may be pertinent to warranty and service which has not been addressed above.

5. Provide 3 current references and contact information including school districts within North Carolina and/or manufacturers.

> End of this submittal.

**EXECUTION OF PROPOSAL
(Submittal #6)**

1. Agreement

By signing this proposal, the Offeror agrees to the following items. Initial each line item below for acceptance.

#	Item	Initial Below
1	This proposal is signed by an authorized representative of the firm.	
2	Offeror has read and understands the conditions set forth in this RFP and agrees to them with no exceptions.	
3	The Offeror understands the scope and requirements of this RFP and has included all labor costs, direct and indirect, in the proposed cost.	
4	The cost and availability of all equipment, materials, and supplies, if needed, associated with performing the services described herein have been determined and included in the proposed cost.	
5	Offeror is knowledgeable of the E-Rate program, understands the issues of a two-tiered billing system, and has up-to-date E-Rate Service Provider Certifications.	
6	Offeror will list, price, and invoice separately any services that are not E-Rate eligible.	
7	Offeror will be responsible for all warranty issues related to goods and services provided during the factory warranty period if applicable.	

2. Authorization

In compliance with this RFP, and subject to all conditions herein, the undersigned offers and agrees, if this proposal is accepted within 90 days from the date of the opening, to furnish the goods or services as stated in this RFP.

#	Item	Provide Information
1	Company Name	
2	Address	
3	City, State, Zip	
4	Telephone Number	
5	Fax Number	
6	E-mail Address	
7	Federal Identification Number	
8	E-Rate SPIN Number	
9	FCC Registration Number	

BY _____ TITLE _____ DATE _____

(Signature)

(Typed or printed name) COMPANY _____

=====

ACCEPTANCE OF PROPOSAL

(Charlotte-Mecklenburg Board of Education)

BY: _____ TITLE: _____ DATE: _____

THIS PAGE MUST BE SIGNED AND INCLUDED IN THE BID PROPOSAL.

Unsigned proposals will not be considered.

FINAL CHECKLIST

1. Sealed proposal information should be for submitted to:

Procurement Services

Charlotte-Mecklenburg Board of Education
E-Rate RFP 163-1269
Attn – Gifford Cordova
4511 Monroe Road, Room 212
Charlotte, NC 28205

2. Proposals should be submitted **no later than 2:30 pm, February 23, 2012.**

3. The sealed proposal package should be labeled as follows:

Bid #: 163-1269

Proposal for: Cisco or Equivalent Network and Data Wireless LAN Equipment

Opening Date: February 23, 2012
2:30 PM

4. Each applicant must submit **3 complete** copies of the bid proposal:

- a. One (1) copy marked *Original*.
- b. One (1) copy marked *Copy with signatures*.
- c. One (1) copy (Microsoft Word format) on a CD, labeled with the Company Name, RFP #, RFP Description, and Date of RFP.

5. Each sealed bid proposal must include the following completed proposal submittals:

Proposal Submittal #	Item Description
1	Distributor Support Letter
2	Warranty and Replacement Procedure
3	Copy of Addenda (when applicable)
4	Summary of Costs
5	Service and Warranty Response
6	Execution of Proposal
7	M/W/SBE form, pg. 51

Minority, Women, Small Business Enterprise Information

Charlotte-Mecklenburg Board of Education (CMBE) promotes full and equal access to business opportunities with Charlotte-Mecklenburg Schools (CMBE). Minority-owned, women-owned, and small business enterprises (collectively “M/W/SBE”) as well as other responsible vendors shall have a fair and reasonable opportunity to participate in CMBE business opportunities.

Prime suppliers (i.e., those who deal directly with CMBE) should support Charlotte-Mecklenburg School’s M/W/SBE Program by making an effort to engage minority, women, and/or small businesses as subcontractors for goods and services for CMBE to the extent available. Prime supplier’s spending with M/W/SBE subcontractors constitutes Second Tier supplier diversity spending by CMBE and the results of Second Tier spending is tracked within our program.

Each bidder or respondent to the solicitation shall submit with their bid the M/W/SBE Utilization Form. A listing of M/W/SBE firms and the CMBE M/W/SBE guidelines may be obtained by contacting the M/W/SBE Administrator at 980-343-8638.

Failure to complete and submit the M/W/SBE Utilization Form may render bid or proposal response invalid.

WOMEN, SMALL BUSINESS ENTERPRISE (M/W/SBE)
Utilization Form
For: Purchases of Goods and Services

We, _____ do certify that on the _____
(Bidder)

(Bid Description)

(Bid Number)	(Dollar Amount of Bid)
	\$

This form must be completed regardless of the amount or lack of M/W/SBE participation attained.

I will expend a minimum of _____% of the total dollar amount of the contract with minority, women, or small business enterprises. M/W/SBEs will be employed as vendors, suppliers, or providers of professional services. Such work will be subcontracted to the following firms listed below.

Attach additional sheets if required

Name and Address	*M/W/SBE Category	Work description	Dollar Value

*M/W/SBE categories: Black, African American (**B**), Hispanic (**H**), Asian American (**A**) Native American Indian (**N**), Female (**F**), Small (**S**), or Socially and Economically Disadvantaged (**D**)

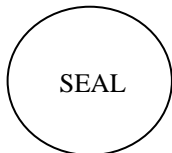
The undersigned will enter into a formal agreement with Minority/Women/ Small Business Firms for work listed in this schedule conditional upon execution of a contract with the Charlotte-Mecklenburg Board of Education.

Failure to fulfill this commitment may constitute a breach of the contract.

The undersigned hereby certifies that he or she has read the terms of this commitment and is authorized to bind the bidder to the commitment herein set forth.

Date: _____ Name of Authorized Officer: _____

Signature: _____



Title:

State of _____, County of _____

Subscribed and sworn to before me this _____ day of _____ 20_____

Notary Public _____

My commission expires

THE CHARLOTTE-MECKLENBURG BOARD OF EDUCATION REQUEST FOR PROPOSAL INSTRUCTIONS

1. **EXCEPTIONS:** All proposals are subject to the terms and conditions outlined herein. All responses shall be controlled by such terms and conditions and the submission of other terms and conditions, price lists, catalogs, and/or other documents as part of an offeror's response will be waived and have no effect either on this Request for Proposals or on any contract that may be awarded resulting from this solicitation. Offeror specifically agrees to the conditions set forth in the above paragraph by signature to the proposal.
2. **COMPETITIVE OFFER:** Pursuant to the provision of G.S. 143-54, and under penalty of perjury, the signer of any proposal submitted in response to this RFP thereby certifies that this proposal has not been arrived at collusively or otherwise in violation of either Federal or North Carolina antitrust laws.
3. **ORAL EXPLANATIONS:** The Charlotte-Mecklenburg Board of Education shall not be bound by oral explanations or instructions given at any time during the competitive process or after award.
4. **REFERENCE TO OTHER DATA:** Only information which is received in response to this RFP will be evaluated; reference to information previously submitted shall not be evaluated.
5. **ELABORATE PROPOSALS:** Elaborate proposals in the form of brochures or other presentations beyond that necessary to present a complete and effective proposal are not desired.
6. **COST FOR PROPOSAL PREPARATION:** Any cost incurred by offerors in preparing or submitting offers are the offerors' sole responsibility; The Charlotte Mecklenburg Board of Education will not reimburse any offeror for any costs incurred prior to award.
7. **TIME FOR ACCEPTANCE:** Each proposal shall state that it is a firm offer which may be accepted within a period of 60 days. Although the contract is expected to be awarded prior to that time, the 60 day period is requested to allow for unforeseen delays.
8. **TITLES:** Titles and headings in this RFP and any subsequent contract are for convenience only and shall have no binding force or effect.
9. **CONFIDENTIALITY OF PROPOSALS** In submitting its proposal the offeror agrees not to discuss or otherwise reveal the contents of the proposal to any source outside of the The Charlotte-Mecklenburg Board of Education, until after the award of the contract. Offerors not in compliance with this provision may be disqualified, at the option of The Charlotte-Mecklenburg Board of Education, from contract award. Only discussions authorized by The Charlotte-Mecklenburg Board of Education are exempt from this provision.
10. **RIGHT TO SUBMITTED MATERIAL:** All responses, inquiries, or correspondence relating to or in reference to the RFP, and all other reports, charts, displays, schedules, exhibits, and other documentation submitted by the offerors shall become the property of The Charlotte-Mecklenburg Board of Education when received.
11. **OFFEROR'S REPRESENTATIVE:** Each offeror shall submit with its proposal the name, address, and telephone number of the person(s) with authority to bind the firm and answer questions or provide clarification concerning the firm's proposal.
12. **SUBCONTRACTING:** Offerors may propose to subcontract portions of the work provided that their proposals clearly indicate what work they plan to subcontract and to whom and that all information required about the prime contractor is also included for each proposed subcontractor.
13. **PROPRIETARY INFORMATION:** Trade secrets or similar proprietary data which the offeror does not wish disclosed to other than personnel involved in the evaluation or contract administration will be kept confidential to the extent permitted by NCAC T01:05B.1501 and G.S. 132-1.3 if identified as follows: Each page shall be identified in boldface at the top and bottom as "CONFIDENTIAL". Any section of the proposal which is to remain confidential shall also be so marked in boldface on the title page of that section. Cost information may not be deemed confidential. In spite of what is labeled as confidential, the determination as to whether or not it is shall be determined by North Carolina Law.

14. **HISTORICALLY UNDERUTILIZED BUSINESSES:** Pursuant to General Statute 143-48 and Executive Order #150 The Charlotte-Mecklenburg Board of Education invites and encourages participation in this procurement process by businesses owned by minorities, women, disabled, disabled business enterprises and non-profit work centers for the blind and severely disabled.
15. **DECLINE TO OFFER:** Any firm which receives a copy of the RFP but which declines to make an offer is requested to send a written "Decline to Offer" to the issuing office. Failure to respond as requested may subject the firm to removal from consideration on future requirements.
16. **PROTEST PROCEDURES:** When an offeror wants to protest a contract award pursuant to this solicitation, they must submit a written request to the Chief Finance Officer of The Charlotte-Mecklenburg Board of Education. This request must be received within (10) ten consecutive calendar days from the date of the contract award, and must contain specific sound reasons and any supporting documentation for the protest. Note: Contract award notices are sent only to those actually awarded contracts, and not to every person or firm responding to this solicitation. Offerors may call the Procurement Official listed on the first page of this document to obtain a verbal status of contract award. If the Chief Finance Officer can render a decision based on the facts without a meeting, a written response with a decision will be rendered within 10 consecutive calendar days of the receipt of the protest letter. If not, The Chief Finance Officer will schedule a meeting with the protesting party to hear their complaint. This meeting will be held within 30 consecutive calendar days after receipt of the written protest. The Chief Finance Officer will respond to the protesting party in writing with a decision within 30 consecutive calendar days from the date of the protest meeting. All decisions of the Chief Finance Officer shall be the final administrative review.

THE CHARLOTTE-MECKLENBURG BOARD OF EDUCATION

STANDARD TERMS AND CONDITIONS

1. **ACCEPTANCE:** Seller's acknowledgment of the terms of this purchase order (this "Order"), without timely express written objection, or Seller's shipment or performance of any part of this Order, constitutes an agreement to (i) all terms and conditions set forth or referenced herein and on the face of this Order, (ii) on any attachments hereto, (iii) any applicable solicitation documentation related to this Order (including without limitation any request for proposals or invitation for bids or Seller's response thereto) that deal with the same subject matter as this Order, and (iv) any other terms and conditions of a written agreement signed by Seller and The Charlotte-Mecklenburg Board of Education ("CMBE") that deals with the same subject matter as this Order (collectively, the "Contract Documents"). The terms and provisions set forth in the Contract Documents shall constitute the entire agreement between Seller and CMBE with respect to the purchase by CMBE of the (i) goods ("Goods") and/or (ii) services provided or work performed ("Services") as described in the Contract Documents. The agreements set forth in the Contract Documents are sometimes referred to herein as the "Contract." In the event of any conflict between any terms and conditions of the Contract Documents, the terms and conditions most favorable to CMBE shall control. This Order constitutes an offer by CMBE and expressly limits acceptance to the terms and conditions stated herein. No additional or supplemental provision or provisions in variance herewith that may appear in Seller's quotation, acknowledgment, invoice, or in any other communication from Seller to CMBE shall be deemed accepted by or binding on CMBE. CMBE hereby expressly rejects all such provisions which supplement, modify or otherwise vary from the terms of the Contract Documents, and such provisions are superseded by the terms and conditions stated in the Contract Documents, unless and until CMBE's authorized representatives expressly assent, in writing, to such provisions. Stenographic and clerical errors and omissions by CMBE are subject to correction.
2. **QUANTITIES:** Shipments must equal exact amounts ordered unless otherwise agreed in writing by CMBE. The award of a term contract neither implies nor guarantees any minimum or maximum purchases.
3. **PRICES:** If Seller's price or the regular market price of any of the Goods or Services covered hereunder is lower than the price stated in the Contract Documents on the date of shipment of such Goods or Services, Seller agrees to give CMBE the benefit of such lower price on any such Goods or Services. In no event shall Seller's price be higher than the price last quoted or last charged to CMBE unless otherwise agreed in writing. No charges for transportation, boxing, crating, etc. are allowable unless such charges are included in the Contract Documents.
4. **INVOICES:** It is understood and agreed that orders will be shipped at the established Contract prices in effect on dates orders are placed. Invoicing at variance with this provision may subject the Contract to cancellation. Applicable North Carolina sales tax shall be invoiced as a separate item. Invoices shall be sent to CMBE's accounts payable department with a copy to the CMBE Project Coordinator.
5. **FREIGHT ON BOARD:** All shipments of Goods are FOB destination unless otherwise stated in the Contract Documents.
6. **TAXES:** Applicable taxes shall be invoiced as a separate item.
7. **PAYMENT TERMS:** Payment terms are Net 30 days after receipt of correct invoice or acceptance of Goods or Services, whichever is later.
8. **CONDITION AND PACKAGING:** Unless otherwise provided by special terms and conditions or specifications, it is understood and agreed that any item offered or shipped has not been sold or used for any purpose and shall be in first class condition. All containers/packaging shall be suitable for handling, storage or shipment.
9. **DELAY IN SHIPMENT:** Time and date of delivery are of the essence, except when delay is due to causes beyond Seller's reasonable control and without Seller's fault or negligence.
10. **RISK OF LOSS:** Seller shall have the risk of loss of and damage to the Goods subject to the Contract Documents until such Goods are delivered to the destination and accepted by CMBE or its nominee.
11. **REJECTION:** All Goods and Services shall be received subject to CMBE's inspection. Goods or Services that are defective in workmanship or material or otherwise not in conformity with the requirements of the Contract Documents may be rejected and returned at Seller's expense or may be accepted at a reduced price. CMBE may require Seller to promptly replace or correct any rejected Goods or Services and, if Seller fails to do so, CMBE may contract with a third party to replace such Goods and Services and charge Seller the additional cost.

12. **COMPLIANCE WITH ALL LAWS:** Seller warrants that all performance hereunder shall be in accordance with all applicable federal, state and local laws, regulations and orders.
13. **REGISTERED SEX OFFENDERS:** Contractor acknowledges that CMBE Policy ADDA, "Registered Sex Offenders," prohibits anyone registered or required to register as a sex offender from being present on any CMBE Property for any reason, whether before, during or after school hours, or on or off of CMBE property. Contractor expressly agrees that it, and any of its employees, will comply with this policy and acknowledges that any individuals that violate this policy are subject to removal from CMBE Property by CMBE and/or law enforcement officials and may also be subject to criminal prosecution. If Contractor, any of Contractor's employees, or any of Contractor's subcontractors or employees of subcontractors will have any direct interaction with students, then Contractor or the subcontractor must (i) on an annual basis conduct a check of the N.C. Sex Offender and Public Protection Registration Program, the N.C. Sexually Violent Predator Registration Program and the National Sex Offender Registry for all such employees; and (ii) prohibit individuals listed on such registries from being on CMBE Property.
14. **WARRANTIES:** Seller warrants that all Goods and Services delivered hereunder will be free from defects in materials and workmanship and will conform strictly to the specifications, drawings, or samples specified or furnished. This warranty shall survive any inspection, delivery, acceptance or payment by CMBE of the Goods and Services and shall run to CMBE and any user of the Goods or Services. This express warranty is in addition to Seller's implied warranties of merchantability and fitness for a particular purpose which shall not be disclaimed. In addition to any other rights available at law or equity, CMBE shall be entitled to all rights and remedies provided by the Uniform Commercial Code, Chapter 25 of the North Carolina General Statutes, for breach of express warranties and implied warranties of merchantability or fitness for a particular purpose, including but not limited to consequential and incidental damages.
15. **INDEMNIFICATION:** Seller shall indemnify and hold harmless CMBE, its officers, agents, employees and assigns from and against all claims, losses, costs, damages, expenses, attorneys' fees and liability that any of them may sustain (a) arising out of Seller's failure to comply with any applicable law, ordinance, regulation, or industry standard or (b) arising directly or indirectly out of Seller's performance or lack of performance of the terms and conditions of the Contract. In the event that any Goods or Services sold and delivered or sold and performed under the Contract Documents shall be defective in any respect whatsoever, Seller shall indemnify and save harmless CMBE, its officers, agents, employees and assigns from all loss or the payment of all sums of money by reason of all accidents, injuries or damages to persons or property that shall happen or occur in connection with the use or sale of such Goods or Services and are contributed to by said condition. In the event Seller, its employees, agents, subcontractors and or lower-tier subcontractors enter premises occupied by or under the control of CMBE in the performance of the Contract Documents, Seller agrees that it will indemnify and hold harmless CMBE, its officers, agents, employees and assigns, from any loss, costs, damage, expense or liability by reason of property damage or personal injury of whatsoever nature or kind arising out of, as a result of, or in connection with such entry.
16. **INSURANCE:** Unless such insurance requirements are waived or modified by CMBE or the Charlotte-Mecklenburg Department of Insurance and Risk Management ("DIRM"), Seller certifies that it currently has and agrees to purchase and maintain during its performance under the Contract the following insurance from one or more insurance companies acceptable to CMBE and authorized to do business in the State of North Carolina: Automobile - Seller shall maintain bodily injury and property damage liability insurance covering all owned, non-owned and hired automobiles. The policy limits of such insurance shall not be less than \$1,000,000 combined single limit each person/each occurrence. Commercial General Liability - Seller shall maintain commercial general liability insurance that shall protect Seller from claims of bodily injury or property damage which arise from performance under the Contract. This insurance shall include coverage for contractual liability. The policy limits of such insurance shall not be less than \$1,000,000 combined single limit each occurrence/annual aggregate. Worker's Compensation and Employers' Liability Insurance - If applicable to Seller, Seller shall meet the statutory requirements of the State of North Carolina for worker's compensation coverage and employers' liability insurance. Seller shall also provide any other insurance or bonding specifically recommended in writing by the DIRM or required by applicable law. Certificates of such insurance shall be furnished by Seller to CMBE and shall contain the provision that CMBE be given 30 days' written notice of any intent to amend or terminate by either Seller or the insuring company. Failure to furnish insurance certificates or to maintain such insurance shall be a default under the Contract and shall be grounds for immediate termination of the Contract.
17. **TERMINATION FOR CONVENIENCE:** In addition to all of the other rights which CMBE may have to cancel this Order, CMBE shall have the further right, without assigning any reason therefore, to terminate any work under the Contract Documents, in whole or in part, at any time at its complete discretion by providing 10 days notice in writing from CMBE to Seller. If the Contract is terminated by CMBE in accordance with this paragraph, Seller will be paid in an amount which bears the same ratio to the total compensation as does the Goods or Services actually delivered or performed to the total originally contemplated in the Contract. CMBE will not be liable to Seller for any costs for completed Goods, Goods in process or materials acquired or contracted for, if such costs were incurred prior to the date of this Order.
18. **TERMINATION FOR DEFAULT:** CMBE may terminate the Contract, in whole or in part, immediately and without prior notice upon breach of the Contract by Seller. In addition to any other remedies available to CMBE law or equity, CMBE may procure upon such terms as CMBE shall deem appropriate, Goods or Services substantially similar to those so terminated, in which case Seller shall be liable to CMBE for any excess costs for such similar supplies or services and any expenses incurred in connection therewith.

19. **CONTRACT FUNDING:** It is understood and agreed between Seller and CMBE that CMBE's obligation under the Contract is contingent upon the availability of appropriated funds from which payment for Contract purposes can be made. No legal liability on the part of CMBE for any payment may arise until funds are made available to CMBE's Finance Officer and until Seller receives notice of such availability. Should such funds not be appropriated or allocated, the Contract shall immediately be terminated. CMBE shall not be liable to Seller for damages of any kind (general, special, consequential or exemplary) as a result of such termination.
20. **ACCOUNTING PROCEDURES:** Seller shall comply with any accounting and fiscal management procedures prescribed by CMBE to apply to the Contract and shall assure such fiscal control and accounting procedures as may be necessary for proper disbursement of and accounting for all project funds.
21. **IMPROPER PAYMENTS:** Seller shall assume all risks attendant to any improper expenditure of funds under the Contract. Seller shall refund to CMBE any payment made pursuant to the Contract if it is subsequently determined by audit that such payment was improper under any applicable law, regulation or procedure. Seller shall make such refunds within 30 days after CMBE notifies Seller in writing that a payment has been determined to be improper.
22. **CONTRACT TRANSFER:** Seller shall not assign, subcontract or otherwise transfer any interest in the Contract without the prior written approval of CMBE.
23. **CONTRACT PERSONNEL:** Seller agrees that it has, or will secure at its own expense, all personnel required to perform the services set forth in the Contract.
24. **KEY PERSONNEL :** Seller shall not substitute for key personnel (defined as those individuals identified by name or title in the Contract Documents or in written communication from Seller) assigned to the performance of the Contract without prior written approval from CMBE Project Coordinator (the individual at CMBE responsible for administering the Contract).
25. **CONTRACT MODIFICATIONS:** The Contract may be amended only by written amendment duly executed by both CMBE and Seller. However, minor modifications may be made by CMBE Project Coordinator to take advantage of unforeseen opportunities that: (a) do not change the intent of the Contract or the scope of Seller's performance; (b) do not increase Seller's total compensation or method of payment; and (c) either improve the overall quality of the product or service to CMBE without increasing the cost, or reduce the total cost of the product or service without reducing the quantity or quality. All such minor modifications to the Contract must be recorded in writing and signed by both the Project Coordinator and Seller, and placed on file with the Contract. No price adjustments will be made unless the procedure has been included in the Contract and a maximum allowable amount stipulated.
26. **RELATIONSHIP OF PARTIES:** Seller is an independent contractor and not an employee of CMBE. The conduct and control of the work will lie solely with Seller. The Contract shall not be construed as establishing a joint venture, partnership or any principal-agent relationship for any purpose between Seller and CMBE. Employees of Seller shall remain subject to the exclusive control and supervision of Seller, which is solely responsible for their compensation.
27. **ADVERTISEMENT:** The Contract will not be used in connection with any advertising by Seller without prior written approval by CMBE.
28. **NONDISCRIMINATION:** During the performance of the Contract, Seller shall not discriminate against or deny the Contract's benefits to any person on the basis of sexual orientation, national origin, race, ethnic background, color, religion, gender, age or disability.
29. **CONFLICT OF INTEREST:** Seller represents and warrants that no member of CMBE or any of its employees or officers who may obtain a direct benefit, personal gain or advantage for themselves or a relative or associate as a result of the Contract, subcontract or other agreement related to the Contract is in a position to influence or has attempted to influence the making of the Contract, has been involved in making the Contract, or will be involved in administering the Contract. Seller shall cause this paragraph to be included in all Contracts, subcontracts and other agreements related to the Contract.
30. **GRATUITIES TO CMBE:** The right of Seller to proceed may be terminated by written notice if CMBE determines that Seller, its agent or another representative offered or gave a gratuity to an official or employee of CMBE in violation of policies of CMBE.
31. **KICKBACKS TO SELLER:** Seller shall not permit any kickbacks or gratuities to be provided, directly or indirectly, to itself, its employees, subcontractors or subcontractor employees for the purpose of improperly obtaining or rewarding favorable treatment in connection with a CMBE Contract or in connection with a subcontract relating to a CMBE Contract. When Seller has grounds to believe that a violation of this clause may have occurred, Seller shall promptly report to CMBE in writing the possible violation.
32. **MONITORING AND EVALUATION:** Seller shall cooperate with CMBE, or with any other person or agency as directed by CMBE, in monitoring, inspecting, auditing or investigating activities related to the Contract. Seller shall permit CMBE to evaluate all activities conducted under the Contract. CMBE has the right at its sole discretion to require that Seller remove any employee of Seller from CMBE property and

from performing services under the Contract following provision of notice to Seller of the reasons for CMBE's dissatisfaction with the services of Seller's employee.

33. **FINANCIAL RESPONSIBILITY:** Seller is financially solvent and able to perform under the Contract. If requested by CMBE, Seller agrees to provide a copy of its latest audited annual financial statements or other financial statements as deemed acceptable by CMBE's Finance Officer. In the event of any proceedings, voluntary or involuntary, in bankruptcy or insolvency by or against Seller, the inability of Seller to meet its debts as they become due or in the event of the appointment, with or without Seller's consent, of an assignee for the benefit of creditors or of a receiver, then CMBE shall be entitled, at its sole option, to cancel any unfilled part of the Contract without any liability whatsoever.
34. **GOVERNMENTAL RESTRICTIONS:** In the event any governmental restrictions are imposed which necessitate alteration of the material, quality, workmanship or performance of the items offered prior to their delivery, it shall be the responsibility of the Seller to notify, in writing, the issuing purchasing office at once, indicating the specific regulation which required such alterations. CMBE reserves the right to accept any such alterations, including any price adjustments occasioned thereby, or to cancel the Contract.
35. **INSPECTION AT SELLER'S SITE:** CMBE reserves the right to inspect, at a reasonable time, the equipment/item, plant or other facilities of a prospective contractor prior to Contract award, and during the Contract term as necessary for CMBE determination that such equipment/item, plant or other facilities conform with the specifications/requirements and are adequate and suitable for the proper and effective performance of the Contract.
36. **CONFIDENTIAL INFORMATION:** Student Information: If, during the course of Seller's performance of the Contract, Seller should obtain any information pertaining to the students' official records, Seller agrees to keep any such information confidential and to not disclose or permit it to be disclosed, directly or indirectly, to any person or entity. The Contract shall not be construed by either party to constitute a waiver of or to in any manner diminish the provisions for confidentiality of students' records. Additionally, pursuant to N.C.G.S. 115C-401.1, it is unlawful for a person who enters into a contract with a local board of education to sell personally identifiable information that is obtained from a student as a result of that person's performance under the Contract. Employee Personnel Information: If, during the course of Seller's performance of the Contract, Seller should obtain any information pertaining to employees of CMBE's personnel records, Seller agrees to keep any such information confidential and to not disclose or permit it to be disclosed, directly or indirectly, to any person or entity. Other Confidential Information: (a) Seller agrees that it will at all times hold in confidence for CMBE all designs, know-how, techniques, devices, drawings, specifications, patterns, technical information, documents, business plans, item requirements, forecasts and similar data, oral, written or otherwise, conveyed by CMBE to Seller in connection herewith or procured, developed, produced, manufactured or fabricated by Seller in connection herewith or procured, developed, produced, manufactured or fabricated by Seller in connection with Seller's performance hereunder (collectively, "Information"). Seller shall exercise the same degree of care to prevent disclosure of any Information to others as it takes to preserve and safeguard its own proprietary information, but in any event, no less than a reasonable degree of care. Seller shall not, without the prior written consent of CMBE, reproduce any Information; nor disclose Information to any party; nor use any Information for any purpose other than performance for the benefit of Seller hereunder. (b) Any technical knowledge or information of Seller which Seller shall have disclosed or may hereafter disclose to CMBE in connection with the Goods or other performance covered by the Contract shall not, unless otherwise specifically agreed upon in writing by CMBE, be deemed to be confidential or proprietary information and shall be acquired by CMBE free from any restrictions as part of the consideration of the Contract.
37. **INTELLECTUAL PROPERTY:** Seller agrees, at its own expense, to indemnify, defend and save CMBE harmless from all liability, loss or expense, including costs of settlement and attorney's fees, resulting from any claim that CMBE's use, possession or sale of the Goods or Services infringes any copyright, patent or trademark or is a misappropriation of any trade secret.
38. **NO PRE-JUDGMENT OR POST-JUDGMENT INTEREST:** In the event of any action by Seller for breach of contract in connection with the Contract, any amount awarded shall not bear interest either before or after any judgment, and Seller specifically waives any claim for interest.
39. **BACKGROUND CHECKS:** At the request of CMBE's Project Coordinator, Seller (if an individual) or any individual employees of Seller shall submit to CMBE criminal background check and drug testing procedures.
40. **MEDIATION:** If a dispute arises out of or relates to the Contract, or the breach of the Contract, and if the dispute cannot be settled through negotiation, the parties agree to try in good faith to settle the dispute by mediation administered by the American Arbitration Association under its Commercial Mediation Rules before resorting to litigation.
41. **NO THIRD PARTY BENEFITS:** The Contract shall not be considered by Seller to create any benefits on behalf of any third party. Seller shall include in all contracts, subcontracts or other agreements relating to the Contract an acknowledgment by the contracting parties that the Contract creates no third party benefits.

42. **FORCE MAJEURE:** If CMBE is unable to perform its obligations or to accept the services or goods because of Force Majeure (as hereinafter defined), the time for such performance by CMBE or acceptance of services will be equitably adjusted by allowing additional time for performance or acceptance of services equal to any periods of Force Majeure. "Force Majeure" shall mean any delays caused by acts of God, riot, war, terrorism, inclement weather, labor strikes, material shortages and other causes beyond the reasonable control of CMBE.
43. **OWNERSHIP OF DOCUMENTS:** All documents created pursuant to the Contract shall, unless expressly provided otherwise in writing, be owned by CMBE. Upon the termination or expiration of the Contract, any and all finished or unfinished documents and other materials produced by Seller pursuant to the Contract shall, at the request of CMBE, be turned over to CMBE. Any technical knowledge or information of Seller which Seller shall have disclosed or may hereafter disclose to CMBE shall not, unless otherwise specifically agreed upon in writing by CMBE, be deemed to be confidential or proprietary information and shall be acquired by CMBE free from any restrictions as part of the consideration of the Contract.
44. **STRICT COMPLIANCE:** CMBE may at any time insist upon strict compliance with these terms and conditions notwithstanding any previous course of dealing or course of performance between the parties to the contrary.
45. **GENERAL PROVISIONS:** CMBE's remedies as set forth herein are not exclusive. Any delay or omission in exercising any right hereunder, or any waiver of any single breach or default hereunder, shall not be deemed to be a waiver of such right or of any other right, breach, or default. If action be instituted by Seller hereunder, CMBE shall be entitled to recover costs and reasonable attorney's fees. Seller may not assign, pledge, or in any manner encumber Seller's rights under this Order, or delegate the performance of any of its obligations hereunder, without CMBE's prior, express written consent.
46. **CONTRACT SITUS:** All matters, whether sounding in contract or tort relating to the validity, construction, interpretation and enforcement of the Contract, will be determined in Mecklenburg County, North Carolina. North Carolina law will govern the interpretation and construction of the Contract.